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Introduction

Welcome to Franklin College, a liberal arts college in the Indianapolis metropolitan area, about 20 miles from downtown Indianapolis. Our students thrive through intimate class sizes, individual mentorship and focused attention. Our location is ideal because we can benefit from the inclusivity and personality of a smaller setting, but we still have access to all the professional (and fun) opportunities of the big city whenever we like. We believe the liberal arts are as much an experience as an education. We know that many colleges offer a liberal arts curriculum, but at Franklin, we view the liberal arts as a transformative opportunity to expand passions and identify new interests. Through our curriculum, students gain more than just a well-rounded perspective. They graduate from Franklin equipped with a holistic worldview, leadership experience and focused skill set that translates into real-world jobs.

Faculty-student relationships are special at Franklin. Our professors work closely with students to identify their passions and strengths and then help them find research and internship opportunities that best fit their abilities and spark their interests. Our professors support students but they also challenge them to stretch beyond easy answers or just checking off requirements.

Be sure to visit www.FranklinCollege.edu and find Franklin College on Facebook and follow @FranklinCollege on Twitter.

MISSION

A Franklin College education fosters independent thinking, innovation, leadership, and action for ever-changing professions and a globally connected world.

VISION

Franklin College will be nationally recognized as a premier college for engaged learning in the liberal arts and sciences, inspiring students to think independently, to question critically, and to live, lead, and serve meaningfully.

VALUES

Franklin College upholds a common set of values that enhances the community and sustains personal, spiritual, intellectual, and professional growth for a lifetime. We value:

People of INTEGRITY who exhibit
- honest and ethical conduct and speech
- responsibility in personal, academic, and professional lives

Commitment to INCLUSIVITY that honors
- all forms of diversity
- the dignity of self and others
- empathy, sincerity, and openness

Culture of INTELLECTUAL CURIOUSITY that promotes
- deep reflection about knowledge, beliefs, and ideas
- the ability to recognize, formulate, and ask discerning questions
- independent thinking

Drive for INNOVATION and CREATIVITY that encourages
- a willingness to take risks
• adaptability to an every-changing world
• the ability to solve complex problems

Spirit of COMMUNITY that fosters
• a collaborative environment that is responsive to the needs of others
• a supportive, service-minded network
• respect for the personal beliefs, faiths, and convictions that give purpose and meaning to our lives

ACCREDITATION

Franklin College is accredited by the Higher Learning Commission of the North Central Association (30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, Telephone: 1-800-621-7440), the Indiana Department of Education, and the Commission on Accreditation of Athletic Training Education. In addition, the college maintains memberships in numerous other professional associations for the purpose of upholding standards of educational excellence.

NON-DISCRIMINATION

It is the policy of Franklin College that all opportunities are to be made available on the basis of merit and without discrimination against any employee, applicant for employment, student, or applicant for admission because of race, color, religion, gender, disability, age, national origin, or sexual orientation. Grievances should be submitted to the equal opportunity officer.

Founded in 1834, Franklin College is the 102nd oldest institution of higher education in the U.S. and the first in Indiana to admit women. Generations of graduates have made positive contributions to their families, their communities, and their careers, as well as to the nation and the world.

Purpose of the Catalog

The material contained in the Course Catalog is for information only and does not constitute a contract between the student and the college. The catalog provides an overview of course offerings and content. It is not the official list of offerings for any given term (fall semester, immersive term, spring semester, or summer terms). Students should consult the online schedule of classes for specific term(s) for which they wish to register.

The college and its various units reserve the right to revise, amend, alter, and change from time to time its policies, rules, regulations, and financial charges including those related to admission, instruction, registration, and graduation. The college reserves the right to withdraw curricula and specific courses, alter course content, change the calendar, and withdraw or change programs and majors offered by the college.
Admission Policies

Franklin College seeks students who demonstrate intellectual ability and seriousness of purpose. To this end, the admissions office and the admissions committee evaluate each applicant’s academic record, standardized test scores (if submitted), recommendations, essay, school and community activities and personal information supplied by the student. In keeping with our mission statement, applicants for admission to the college are individually and holistically considered. All students, regardless of residency or prior academic record, may submit their application with or without test scores. Applying under the test-optional policy will not affect admissions consideration or the merit aid awarded. While the college does not require a prescribed set of high school subjects, a typical student will have completed a college preparatory program with good quality of achievement. A typical college preparatory program would ordinarily include four years of English, three to four years of mathematics, two or more years of science including a lab science, three years of social sciences and electives to meet graduation requirements. Foreign language is strongly recommended. Students entering Franklin College are required to take two semesters of foreign language unless they test out on Franklin College placement examinations.

First year applicants may choose to apply for admissions under the Early Decision Plan. Students apply for Early Decision by indicating their preference on their Franklin College Application or the Common Application no later than November 15. By applying Early Decision, students are indicating Franklin College is their top choice school, and that, if admitted, they are committed to enrolling. The Early Decision Plan is highly encouraged for students who rank Franklin College as their top choice. Student’s accepted through the Early Decision Plan must submit their deposit to Franklin College by the December 15 deadline. If a student is not accepted through the Early Decision Plan, the student’s application will be deferred to the regular decision pool.

**Traditional incoming first-year students** - The following documents are required in order to be considered for admission to Franklin College:

1. The completed application for admission submitted in either online via the Franklin College Application, the Common Application, or paper format.
2. An official secondary school transcript

The following documents are recommended for admission (both available online as part of the Franklin College Application for Admission and as part of the Common Application):

1. Recommendation Form
2. Personal Statement

General Education Diploma (GED) or High School Equivalency Diploma- If an applicant has not earned a diploma from a secondary program, an HSE or GED is required. The academic areas of the examination are reviewed in light of the general requirements for admission.

Admitted first-year students must submit a $200 enrollment deposit to secure their position in the incoming class. The enrollment deposit is refundable prior to May 1st.

**Immersive Term enrollment** – Franklin College’s preference is for students to start in the Fall or Spring semester. However, students may begin in Immersive Term. The deadline for receipt of all statements and applications for admission during Immersive Term will be no later than December 10th.

**Spring Semester enrollment** – All previously enrolled students who are interested in reapplying for admission and all new students who are interested in applying for admission to Franklin College during the Spring semester must submit their applications to the Franklin College Office of Admissions. The deadline for receipt of all applications for readmission and admission will be no later than January 8th.
**Transfer students** – The transfer student application for admission must be submitted online via the Franklin College Application or the Common Application. Admission decisions regarding transferring students are based upon the academic record at both the post-secondary institution and the secondary school. Students transferring to Franklin College must be in good standing both academically, socially and financially with their previous institution.

Full-time transfer admission is generally reserved for students:
- who have attended another institution after high school graduation
- who have earned 15 or more transferable hours of 100 level courses or higher from another regionally accredited institution after high school graduation, with an overall grade average of C or higher.

Transfer students who intend to enroll at the college must submit a $200 enrollment deposit to the Office of Admissions, which is refundable prior to May 1st.

**Franklin College Transfer Credit Evaluation Policy**
Franklin College will accept undergraduate transfer course work, credits by examination, and other non-traditional credits presuming the following:
- Transfer courses were completed at a regionally accredited institution
- The coursework is substantively equivalent to Franklin College coursework
- Proper, timely documentation is provided in the form of official transcripts, test scores, or the equivalent
- The grade awarded is equivalent to C- (1.67 on 4.00 scale) or above, or test score is equivalent to the requirement as outlined in the Academic Course Catalog
- Students must complete at least 48 credit hours at Franklin College to be awarded a degree
- Franklin College may complete a maximum of 16 credit hours for documented armed forces credit
- Franklin College may award a maximum of 16 credit hours for documented nontraditional training or courses

Those students participating in an articulation agreement with Franklin College should refer to the guidelines of the specific agreement regarding transferability of credit hours and course equivalencies. Agreements are located in the Academic Records Office.

For complete guidelines regarding transfer work, please consult the Academic Records Office.

**International students** – International students typically should meet the same requirements for admission as other students; however, flexibility is incorporated purposely to allow for cultural and educational differences among the many countries represented by international applicants. As is the case for all students, strong emphasis is placed on strength of the academic record of secondary and, if applicable, previous college or university academic achievement.

In addition, international students are required to submit proof of English proficiency. Students may demonstrate English proficiency by passing the Test of English as a Foreign Language (TOEFL), the International English Language Testing System (IELTS), or another approved examination. A TOEFL score of 90 iBT or higher or an IELTS score of 6.5 or above is a minimal guideline for English proficiency. This examination requirement may be waived for students who have successfully completed substantial coursework in English-medium high schools or universities or for students who have satisfactorily completed approved English language programs such as Interglobal or ELS centers. For more information regarding English proficiency requirements at Franklin College, please contact the Office of Admissions.
Finally, financial documentation must be submitted by the applicant and/or sponsor in order for an I-20 to be issued by Franklin College. International students who intend to enroll must submit a $500 enrollment deposit and exchange students who intend to enroll must submit a $500 enrollment deposit.

Visiting Students/Part-time Non-Degree Seeking Applicants  Students who are currently enrolled full time at another institution and wish to take a limited number of courses at Franklin during the summer or at a time when they are not enrolled, should complete the Part Time Non-Degree Seeking Application. This application has no fee and is only available via PDF online at: http://franklincollege.edu/wp-content/uploads/2016/01/Part-time-application.pdf. The application should be submitted with high school and/or college transcripts. A $200 enrollment deposit must be submitted to the Office of Admissions to register for courses. This deposit will go into a student account and be debited from the cost of the course(s).

Readmission  Readmission applies to students who previously attended Franklin College and withdrew in a prior semester, but also applies to those students enrolled and withdrawn in the current semester. Any Franklin College student who withdraws or does not continue consecutive semester enrollment must apply for readmission and be readmitted to the college in order to enroll in any classes.

1. Previously enrolled students from a prior semester who are interested in reapplying for admission to Franklin College must submit their application for readmission to the Franklin College Office of Admissions. Students seeking readmission need to print a PDF of the Readmit application from http://franklincollege.edu/wp-content/uploads/2018/08/PDF-readmit_application_0.pdf. The deadline for receipt of applications for readmission will be no later than one month prior to the beginning of classes for that semester or term.

2. A student who withdraws from the College in the current semester and wishes to re-enroll in the next subsequent semester is not required to fill out a new application. The student must inform the Office of Admissions of his or her intent to re-enroll.

3. Prior to official readmission by the Office of Admissions, the Office of Student Development, Academic Records Office, and Business Office must agree to the re-admittance.

4. Policies of the academic catalog:
   - If a student who has not been at the college for 1 (one) semester is granted readmission, the student can remain under his/her original academic catalog.
   - If a student who has not been at the college for 2 (two) or more semesters is granted readmission, the student will be under the academic catalog in current use.

5. If a student is readmitted after academic suspension, the student returns on academic probation and all the policies of the current academic catalog will apply automatically.

6. If a student is readmitted after being placed on academic probation, the student returns on academic probation and all the policies of the current academic catalog will apply automatically.

7. All students including those who attended another college(s) during their time away from Franklin College are required to submit all official college transcript(s), a statement outlining reason(s) for returning to the college, and a Transfer Student Recommendation Form(s) as part of the readmission process.

8. All students must submit a $200 enrollment deposit to the Office of Admission to confirm their intent to enroll. Students will not be permitted to register for courses until their enrollment deposit is received.

No previously enrolled student who has outstanding financial obligations to Franklin College will be readmitted until such obligations have been satisfied.

Personal Enrichment for the Mature Student - Local residents 65 years and older may enroll in courses as a non-degree seeking student. Interested residents should print the PDF of the Part-Time Non-Degree Seeking application available at: http://www.franklincollege.edu/admissions/apply-now/other-applicants/, and submit the application to the Office of Admissions. The cost per semester is $25 (except for summer school).
**Franklin College Employees** – Employees who are interested in courses for personal enrichment should complete the Employee Course registration form available at the Office of Employee Resources. Employees seeking academic credit should complete the **Part-Time Non-Degree Seeking application** and submit with high school and/or college transcripts for review by the Office of Admissions.

**Running Start** – This program offers qualified high school and home school students who are junior level status or higher the opportunity to take freshman level courses in English, math, humanities, and social and natural sciences. Students will receive college credit for these courses which can be applied toward a Franklin College degree or as transfer credit to any other college or university. Interested students can print off a Running Start application at [http://franklincollege.edu/wp-content/uploads/2017/03/2017-Running-Start-Application.pdf](http://franklincollege.edu/wp-content/uploads/2017/03/2017-Running-Start-Application.pdf). Follow the directions to submit your application and pay the $40 application fee. You must also contact your guidance counselor or home school advisor to complete the recommendation and send a copy of your high school transcript to the Office of Admissions. The cost per course is $445. Running Start students may enroll in summer courses but published Franklin College summer course rates will apply and no discount will be given.

If there are any questions or if additional information is needed, contact:

Office of Admissions  
Franklin College  
101 Branigin Boulevard  
Franklin, Indiana 46131-2598  
(317)738-8075  
(800)852-6471  
[http://www.franklincollege.edu](http://www.franklincollege.edu)

Franklin College is a member of the National Association of College Admission Counselors and subscribes to its Code of Ethics and Professional Practices.
Expenses and Financial Policies 2021-2022

Regular Full-time Student (12 or more hours per semester)

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Tuition Deposit</td>
<td>$200</td>
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<tr>
<td>International Student Deposit</td>
<td>$500</td>
</tr>
<tr>
<td>Tuition (12 to 20 hours per semester)</td>
<td>$34,766</td>
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<tr>
<td>Immersive Term Tuition (for students starting in Immersive Term)</td>
<td>$455</td>
</tr>
<tr>
<td>Room:</td>
<td></td>
</tr>
<tr>
<td>Basic Occupancy</td>
<td>$6,206</td>
</tr>
<tr>
<td>Double as a Single Occupancy</td>
<td>$8,206</td>
</tr>
<tr>
<td>Cancellation of housing contract after June 1</td>
<td>$500</td>
</tr>
<tr>
<td>Cancellation of housing contract after occupancy</td>
<td>$1,550</td>
</tr>
<tr>
<td>Immersive Term (for students starting in Immersive Term)</td>
<td>$525</td>
</tr>
<tr>
<td>Board:</td>
<td></td>
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<tr>
<td>Comprehensive &amp; 150 Meal Plan (excluding immersive term)</td>
<td>$4,192</td>
</tr>
<tr>
<td>Limited 10 Block Meal Plan (excluding immersive term)</td>
<td>$3,816</td>
</tr>
<tr>
<td>Griz 5 Meal Plan</td>
<td>$480</td>
</tr>
<tr>
<td>Griz 50 Meal Plan</td>
<td>$405</td>
</tr>
<tr>
<td>Immersive Term</td>
<td>$462</td>
</tr>
<tr>
<td>Student Activity Fee</td>
<td>$200</td>
</tr>
<tr>
<td>Extra Hours Fee per Credit (over 20)</td>
<td>$445</td>
</tr>
</tbody>
</table>

Part-time Student

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition per Credit Hour</td>
<td></td>
</tr>
<tr>
<td>4 Credit Hours or Less</td>
<td>$500</td>
</tr>
<tr>
<td>5-11 Credit Hours</td>
<td>$1,280</td>
</tr>
<tr>
<td>Student Activity Fee per Credit Hour</td>
<td></td>
</tr>
<tr>
<td>4 Credit Hours or Less</td>
<td>$0</td>
</tr>
<tr>
<td>5 - 11 Credit Hours</td>
<td>$7</td>
</tr>
<tr>
<td>Post-Graduate Activity Credit Tuition per Credit</td>
<td>$500</td>
</tr>
<tr>
<td>Activity Credit</td>
<td></td>
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<tr>
<td>Activity Credit Course Fees as noted in “Other Educational Fees”</td>
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Summer School (Summer of 2022)

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Tuition per Credit Hour</td>
<td>$235</td>
</tr>
<tr>
<td>Room, Double Occupancy</td>
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</tr>
<tr>
<td>Summer I (June 1-July 1)</td>
<td>$330</td>
</tr>
<tr>
<td>Summer II (July 6-August 5)</td>
<td>$330</td>
</tr>
<tr>
<td>Intersession Housing</td>
<td></td>
</tr>
<tr>
<td>Intersession I - May/June</td>
<td>$100</td>
</tr>
<tr>
<td>Intersession II – July</td>
<td>$0</td>
</tr>
<tr>
<td>Intersession III – August</td>
<td>$200</td>
</tr>
</tbody>
</table>

Transition to Teaching Course Fees

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Individual Courses for Franklin College graduates (per credit hour)</td>
<td>$420</td>
</tr>
<tr>
<td>EDUT 489 (student teaching) for Franklin College graduates</td>
<td>$1260</td>
</tr>
<tr>
<td>Individual Courses for non-Franklin College graduates (per credit hour)</td>
<td>$475</td>
</tr>
<tr>
<td>EDUT 489 (student teaching) for non-Franklin College graduates</td>
<td>$1425</td>
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</tbody>
</table>
**Other Educational Fees**

High School Advanced Program / Running Start:
- Tuition per Course (maximum of two, 4 credit courses) ................................................. $445
- Tuition per Credit Hour for courses greater than 4 credits .................................................. $110
- Lab fee for science courses ................................................................................................... $75
- Audit Fee (per course, max of two courses per semester) .................................................. $205

Mature Students Registration Fee per Semester ................................................................. $25
- Tuition - free for age 65 or over for a regular on-campus course
- Private Music Lessons (per course plus normal tuition charge) ............................................ $250

**Expenses Continued: Prices subject to change**

- ART 170 Painting I (nonrefundable) .................................................................................... $100
- ART 270, 370, 470 Painting II-IV (nonrefundable) ................................................................. $30
- ART 175, 275, 375, 475 Ceramics I-IV (nonrefundable) ...................................................... $75
- ASC 080 Academic Strategies for College I (nonrefundable) ............................................. $55
- BIO/CHE 390 Professional Development Planning .............................................................. $20
- CWR 280/380 Poetry I-II ......................................................................................................... $15
- Elementary Education Course Fee ....................................................................................... $30
  (EDE 124, EDE 225, EDE 230, EDE 235, EDE 330, EDE 337, EDE 344, EDE 345, EDE 366, EDE 443, EDE 444, EDE 456, EDE 457)
- EDE 401 CPR/AED/Heimlich Certification for Education Majors ....................................... $25
- EDU 210 Educational Philosophy, Law, & Ethics ................................................................. $50
- EXE 222 First Aid and CPR/AED for the Professional Rescuer .............................................. $40
- PED 004 Activity Credit—Bowling ....................................................................................... $60
- PED 004 Activity Credit—Golf .............................................................................................. $50
- PED 110 Lifeguard Training .................................................................................................. $50
- PED 115 Officiating in Volleyball (fee also covers PED 116) ................................................... $50
- PED 116 Officiating in Basketball (fee also covers PED 115) ................................................ $50
- PDP 200 Preparing for Your Internship ................................................................................. $25
- SPA 312 Pronunciation for Communication ....................................................................... $60
- THE 235 Scenic Painting (nonrefundable) .......................................................................... $100
- THE 236 Production Design (nonrefundable) ..................................................................... $50
- Student Teaching Fees (EST 489) .......................................................................................... $30 plus $500
- Education Field Experience Fee .......................................................................................... $30
  (INE 200, INE 300, INE 400, EFE 284, EFE 384, EFE 385, EFE 484)
- Drop or Postpone Education Field Placement ...................................................................... $50
- Drop or Postpone Student Teaching Placement ................................................................. $100
- Immersive Term Course Fee ............................................................................................... $100
- Immersive Term International Travel Course ....................................................................... $4,000
- Program Abroad: Non-FC Partner or ISEP program (semester) ......................................... $5,000

**Other Institutional Fees**

- Parking Permit - Per Year ...................................................................................................... $50
- Parking Permit - Per Semester ............................................................................................ $30
- Replacement of a lost or damaged and returned ID card .................................................... $15
Parking Fines per Violation (Accumulated Over Career)
Fines range from a warning to $50. Please refer to the Franklin College Security Office for detailed information regarding vehicular regulations and violations.

Amount of fees are subject to change annually. Other fees may be incurred based on course enrollment. Additional fees not listed may be implemented.

Billing and Payment of Charges
All student billings and payments are administered through an online portal. The College does not send account activity statements. All account activity will ONLY be available online. Tuition, room and board, and fee charges are assessed by the college on an academic year basis. However, charges are payable on a semester schedule. The fall semester is due on August 15th and the spring semester is due January 15th each year. Students who arrive on campus with a balance after the due date and no arrangements made for payment of the balance may have their class registration dropped until a payment schedule is arranged with the business office (317-738-8033).

GI Bill Recipients
Students entitled to GI Bill benefits under Chapter 31 or 33 may participate in the course of education during the period beginning on the date on which they provide a Certificate of Eligibility or Statement of Benefits obtained from the Department of Veterans Affairs (VA) and ending on the earlier of the following dates: The date on which payment from the VA is made to the college, or 90 days after the date the institution certified tuition and fees following the receipt of the Certificate of Eligibility. The college will not impose any penalty, including late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual’s inability to meet his or her financial obligations to the college due to the delayed disbursement funding from VA under Chapter 31 or 33.

Running Start Program
Specially qualified high school students may be admitted as part-time students under the Running Start Program. Running Start students are charged $445 per course. A student may take no more than two courses per semester. Running Start students taking courses with labs are charged a $75 lab fee. Courses over 4 credits will be charged an additional $110 per credit hour.

Mature Students
Tuition is free for students age 65 or older. Mature students are charged a $25 registration fee each semester. There is a maximum of 2 classes per semester.

Financial Clearance
Students will be denied registration privileges and housing applications if a balance is owed to the college in an amount greater than $500 as of the date for these activities. On August 15 and January 15, students owing an amount greater than $500 may be dropped from class schedules and housing assignments. No student will be granted a diploma, academic transcript, or financial aid transcript until financial obligations to the college have been satisfied. Delinquent bills for any recognized campus organization may result in withholding a student’s transcript, diploma, or registration.

Financial Responsibility Agreement
This policy requires all students to complete our financial responsibility agreement each semester prior to enrollment. This agreement outlines the student’s commitment to pay ALL expenses incurred at the college (including any penalties that result due to past due payments). This requirement must be completed prior to enrollment. You can access this policy at https://franklincollege.edu/campus-resources/business-office/ or here as a PDF.
Reduction of Fees
Registration constitutes a contractual agreement between the college and the student. If a student withdraws from all classes or reduces the number of hours carried, he or she may be entitled to a reduction in tuition, room, board, and other charges. Adjustments are based on the date of official withdrawal as recognized by the Vice President for Student Development & Dean of Students. The Fee Reduction policy is subject to change annually.

Proper withdrawal papers must be submitted to the Dean of Student Success. If withdrawal becomes necessary, please contact the Dean of Student Success for more information and to set up an exit interview. Students who are dismissed, suspended, or withdrawn for disciplinary reasons or excessive absences by the college are not entitled to fee reductions. Students who fail to observe withdrawal regulations may place their eligibility for refunds in jeopardy.

In order to withdraw and receive a fee reduction of school charges, a student must comply with four withdrawal requirements. The student must:
1. Complete appropriate withdrawal process through the Center for Student Success.
2. Receive confirmation of withdrawal from the Vice President of Student Development & Dean of Students.
3. Clear all financial accounts through the Business Office.
4. Report to the Office of Financial Aid if the student received any financial aid (scholarships, grant, work, or loan).

Calculation of Fee Reductions

Fall and Spring Semesters
When a student has withdrawn from the college and is eligible for a fee reduction for fall or spring semesters, the tuition charges will be adjusted according to following table:
- Prior to or on the first day of classes, 100%
- After the first day, during the first week of classes, 90%
- During the second week of classes, 75%
- During the third week of classes, 60%
- During the fourth week of classes, 45%
- During the fifth week of classes, 30%
- No refund is given after the fifth week of classes

Students who reduce their enrollment from full-time to part-time (less than 12 hours per semester) through the last day to drop a course may be eligible for a fee reduction based on the difference between full-time and part-time tuition charges. Students must be aware that a change to part-time status may put their athletic, housing, and financial aid eligibility in jeopardy.

Immersive Term
Board will be calculated on a pro-rata basis of 25% of immersive term charge per week. As there is no additional charge for immersive term room for those students enrolled full time in the fall semester, no fee reduction applies. No reduction of tuition or room is made for those students not enrolled in immersive term or who reside off campus during immersive term.

Summer School
When a student is eligible for a fee reduction for summer school, the tuition and room charges will be adjusted according to following table:
- Prior to or on the first day of classes, 100.0%
- After the first day, during the first week of classes, 50.0%
No fee reductions will be given after the first week of classes.

Refunds and Returns
When a student has withdrawn from the college, a recalculation of any Federal, State and Institutional aid must be conducted to determine the amount of aid a student is eligible to retain. Return of funds will be issued to Federal and State financial aid sources first and then to Institutional sources. If a credit of aid retained remains only then will a refund be issued to the student. Refund calculations will be completed within 30 days of recognized withdrawal date.

Housing contracts may be terminated without penalty by the student if written notification is received by the Department of Residence Life on or before June 1st. Termination of the contract for any reason after June 1st but prior to occupancy will result in a $500 cancellation fee*. Cancellation of the housing contract after a student has occupied the room may receive a fee reduction for their room costs in accordance with the fee reduction schedule.

When a student is eligible for a fee reduction for the fall or spring semester, the room and/or board charges will be adjusted according to the following table:

<table>
<thead>
<tr>
<th>Period</th>
<th>Fee Reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior to or on the first day of classes</td>
<td>100.0%</td>
</tr>
<tr>
<td>After the first day, during the first week of classes</td>
<td>93.5%</td>
</tr>
<tr>
<td>During the second week of classes</td>
<td>87.0%</td>
</tr>
<tr>
<td>During the third week of classes</td>
<td>80.5%</td>
</tr>
<tr>
<td>During the fourth week of classes</td>
<td>74.0%</td>
</tr>
<tr>
<td>During the fifth week of classes</td>
<td>67.5%</td>
</tr>
<tr>
<td>During the sixth week of classes</td>
<td>61.0%</td>
</tr>
<tr>
<td>During the seventh week of classes</td>
<td>54.5%</td>
</tr>
<tr>
<td>During the eighth week of classes</td>
<td>48.0%</td>
</tr>
</tbody>
</table>

No fee reduction is given after the eighth week of classes for room & board.

*Students who withdraw prior to the start of the semester will not be assessed a cancellation fee.

Please note: The On-campus housing contract is for the entire academic year (August – May). If a student moves out of their assignment, without consulting the Office of Residence Life, they will forfeit all housing charges (August – May) resulting in a 0% refund.

Students who are removed from housing for student conduct violations will forfeit the remainder of their housing charges for the term.

Students who are released from their housing contract between the conclusion of the fall and beginning of Spring term will be subject to a $1500 cancellation fee.

Non-Refundable Charges include activity fee, late payment fee, payment arrangement fee, private music lessons, art and theatre course fees, parking annual permit, audit fees, Running Start fees, room cancellation fee, study abroad cost, and immersive term travel.
Financial Aid Policies

Financial aid is defined as any financial resource used to pay for college expenses; this may include but is not limited to grants, scholarships, student loans and federal workstudy funding. It is not always possible to assist all eligible applicants to the full amount of financial need. Financial aid can be received from several sources (Franklin College, federal, state, and/or external awards) and must be coordinated by the Office of Financial Aid to ensure that total aid received does not exceed regulatory limits. Students and parents should contact the Office of Financial Aid with any questions regarding the aid application or awarding process.

Note: Students enrolled in a Franklin College graduate program are not eligible for institutional scholarships and grants.

General Financial Aid Information

Institutional Scholarship and Grant Assistance for Undergraduate Students
Franklin College offers a wide variety of scholarships and grants to qualified students. Most scholarships are based on academic achievement while most grants are based on financial need. Most undergraduate students are considered for scholarships upon admission to the college.

Enrollment–Students must be enrolled full-time (12 hours or more each semester) to be considered for Franklin College grants and scholarships, maximum State of Indiana grants, and maximum Federal Pell Grants. Part-time students (six to 11 hours) may only qualify for Federal grants and student loans. Students applying for financial aid by April 15 of each year will receive full consideration for all forms of financial assistance. Some scholarships, as noted, may require a separate application with an earlier deadline.

Application–The Free Application for Federal Student Aid (FAFSA) is required for all aid beyond a merit scholarship or tuition remission. The FAFSA can be filed at [www.studentaid.gov](http://www.studentaid.gov) and should be submitted by April 15 for each year that financial assistance is requested. Students filing the FAFSA after April 15 will not be considered for State of Indiana grant assistance, but will be considered for federal and institutional funding.

Adjustment to Financial Assistance–A financial aid award may be reviewed and adjusted at any time during the academic year contingent upon federal and state regulations. Students should promptly report family financial changes to the Office of Financial Aid. Students are required to report all financial aid received from external funding sources.

Financial Aid for Study Abroad–Students are invited to apply for study abroad assistance through the Office of Global Education. With the assistance of generous donors, Franklin College has established scholarships specifically for international travel. Additional information regarding specific scholarships available for international travel follows.

Satisfactory Academic Progress (SAP)–Students must make satisfactory progress toward graduation each academic year to be eligible to receive additional financial assistance for the following academic year. Detailed SAP policies for the Bachelor of Arts, Master of Science in Athletic Training, and Master of Science in Physician Assistant Studies can be found at the end of this section of the catalog.
Scholarships for Travel Abroad

Raymond D. and Enid McCaslin Kelly Fund This fund was established in order to encourage Franklin College students to participate in educationally related travel experiences. Awards are used to underwrite airline expenses associated with official student travel. Students participating in semester-long study-abroad programs will be given first consideration, followed by those participating in a minimum three-week internship or study program through Franklin College. Participation in immersive-term travel, as well as other travel programs will only be considered if there are an insufficient number of qualified candidates for the first two types of program.

Selection Criteria
1. Student must be enrolled full time at Franklin College.
2. Student must be participating in a Franklin College-sponsored domestic or international travel experience.

David M. Davidsen Memorial Scholarship This scholarship will provide funds for Franklin College students to study abroad to promote cultural understanding and to help students become active and responsible members of the global community. The scholarship will provide a stipend to one or more deserving students who meet the criteria outlined below.

Selection Criteria
1. Franklin College sophomore or junior (when undertaking the program).
2. GPA requirement of 3.00.
3. Participating in a semester-long study-abroad program through Franklin College, or a summer study-abroad program that lasts at least 10 weeks.
4. Students must complete the study-abroad program before commencing their senior year at the College.

Jay and Susan DeVoss Endowed Scholarship for International Travel This scholarship provides income for students engaged in a study abroad experience through Franklin College. The scholarship will be awarded to a new applicant each year and, in particular, to those participating in a semester-long study abroad program, a summer study abroad program, or an Immersive Term study abroad program, in that order.

Selection Criteria
1. Students must complete the study-abroad program before commencing their senior year at Franklin College.
2. The recipient must meet full-time enrollment requirements at Franklin College.
3. Preference will be given to students with demonstrated financial need.
4. Preference will be given to students participating in a formal study-abroad experience at Franklin College.
5. Preference will be given to students who graduated from high schools in Adams, Allen and Johnson counties.

Intercultural Honors Experience (IHE) Students accepted into the IHE and who satisfy the requirements of the program (participation in required course activities and receipt of at least a B in the IHE spring seminar) are eligible to apply for scholarship funds to study abroad. The amount of the award will depend on the choice of program, student’s financial need, and quality of the application. Students must complete one semester at Franklin College following their semester abroad.

Selection Criteria for the IHE
1. Current Franklin College first-year student, sophomore or junior.
3. Application, essay, written exam, and interview.
**Branigin Foundation Endowed Scholarship** This scholarship is for entering students to help fund their education at Franklin College. Branigin Scholars are guaranteed a scholarship to study abroad. In years where funds are available, other upper-class students with majors and interests in Business, Modern Languages, and other international areas may apply for the scholarship. Branigin scholars may use the funds for an immersive-term or semester study-abroad program.

**Selection Criteria**
1. Business majors with an international emphasis (international business, modern languages, international relations, etc.)
2. Minimum GPA of 2.5

**Leonard Foreign Language Travel Endowed Award** This scholarship is designed to promote cultural understanding and foreign language fluency, and to engage Franklin College language majors and minors in countries where their target language is spoken. The scholarship will provide a stipend to one or more deserving students for a study abroad opportunity which will cover transportation and lodging costs.

**Selection Criteria**
1. French and Spanish majors and minors.
2. GPA requirement of 3.00.
3. Preference will be given to students with at least sophomore standing.
4. Students must be traveling to a country where their language of study is spoken.

**Scholarship for Immersive Term Travel only:**

**The Sonya Baker-Hallett Tri Delta Scholarship Fund** Established by a Franklin College Tri Delta alumna to fund one-time scholarships to Tri Deltas who exemplify the organization's mission of advancing women's education and philanthropy.

**Selection Criteria**
Preference will be given to Tri Deltas who:
1. are involved with philanthropy or community service;
2. are taking advantage of FC's travel programs;
3. have a minimum GPA of 3.00;
4. have residential ties to Johnson, Marion, or Clark counties.

**Scholarship for Summer Travel only:**

**Bridges Travel Prize** Established by Bill and Lynn Bridges to fund a summer trip for Franklin College students majoring in both journalism and a foreign language. Students are expected to undertake study opportunities, and spend the majority of the time in a country where their language specialties are spoken.

**Selection Criteria**
1. Must be a junior by February of the year the prize is to be used
2. Must have a 3.0 GPA in each major

**Federal Assistance Programs**

**Federal Pell Grant**—All students are considered for this federal grant by filing the FAFSA. Eligibility is based on federal need analysis criteria.

**Federal Supplemental Educational Opportunity Grant**—Federal Pell Grant recipients receive first priority for this federal grant awarded through Franklin College.
Federal College Workstudy—This is an employment program that is jointly funded by the federal government and Franklin College. Eligible students must have financial need and work on-campus or at an approved off-campus sites for approximately 5-20 hours per week.

Army ROTC Scholarships—Four, three, and two-year Army ROTC Scholarships will pay up to full tuition and fees at Franklin College. In addition, an annual payment of $450 for books and $1,500 general subsistence allowance are added for each school year the scholarship is in effect.

Direct Subsidized Loan—This is a loan program is funded by the federal government. It is a fixed rate program (interest rates set annually by the U.S. DOE) to assist students with financial need as demonstrated by the FAFSA. The interest is paid by the federal government while the student is enrolled, and repayment begins six months after graduation, withdrawal, or with enrollment of less than 6 credit hours. An estimated 1% fee is deducted from each loan prior to disbursement. First time borrowers must complete a loan entrance interview and a Master Promissory Note (MPN) at www.studentaid.gov.

Direct Unsubsidized Loan—This is a loan program that is funded by the federal government. It is a fixed rate program to assist students who may or may not demonstrate financial need. Unlike the Direct Subsidized Loan, the interest accrued from the Direct Unsubsidized Loan is not paid by the federal government. An estimated 1% fee is deducted from each loan prior to disbursement. First time borrowers must complete a loan entrance interview and a Master Promissory Note (MPN) at www.studentaid.gov.

Direct Parent PLUS Loan—Parents who wish to borrow to help finance their student’s education may apply for this loan option. The interest rate is fixed and established annually by the U.S. DOE. Interest accrual will begin within 60 days of funds disbursement. Repayment may begin while the student is enrolled; however, the borrower may also request loan deferment until after the student graduates, withdraws, or is enrolled in less than 6 credit hours. Financial need is not required. Fees are deducted from each loan prior to disbursement. Apply by going to www.studentaid.gov.

State of Indiana Assistance

The Indiana Commission for Higher Education (ICHE) awards need-based grant assistance to eligible Indiana residents.

Awards are based on demonstrated financial need as determined by the results of the Free Application for Federal Student Aid (FAFSA) and the cost of attendance. All students must file the FAFSA or Renewal FAFSA by April 15 each year. Full-time enrollment is required to receive many of these grants.

The Indiana CHE Division of Student Financial Aid also awards non-renewable Hoosier Scholar Awards to selected graduates of Indiana high schools. Recipients are selected by their respective high schools.

Students participating in the State of Indiana 21st Century Scholars Program are eligible to use their scholarship benefits at Franklin College. Award values are determined by the State of Indiana, and recipients must maintain eligibility for renewal based on State of Indiana criteria. Additional state assistance for minority (black or Hispanic) students seeking a career in education or any student seeking a career in special education is available. Applications are available via https://www.in.gov/che/4498.htm. Full-time enrollment is required to receive any of these awards.
Other Financial Aid

Campus Employment - Students work 5-15 hours per week in an office on campus. Franklin College funds this program for students.

Vocational Rehabilitation - This is funded by the State of Indiana, for students with disabilities, to help pay for educational expenses. Contact the local Indiana Vocational Rehabilitation Office for details.

Veterans Benefits – The Post-9/11 GI Bill pays up to $23,671.94 (2018-2019) in undergraduate tuition and fees for those who qualify based on certification from the VA. Tuition benefits are paid directly to the institution.

Yellow Ribbon Program – Under this program Franklin College guarantees up to 50% of the remaining tuition after the Post 9/11 GI Bill benefits. The other 50% is matched by the VA. These benefits are paid directly to the institution. Only individuals entitled to the maximum benefit rate (based on service requirements) may receive Yellow Ribbon funding.

Students will need to apply for VA benefits at www.gibill.va.gov. Eligible veterans should contact the veterans’ counselor in the academic records office at Franklin College (phone 317-738-8018).

External Sources - Many financial aid funds provided by sponsors such as business, industry, labor unions, service clubs, etc., may be used at Franklin College. Contact high school guidance counselors for information.

Tuition Exchange - Franklin College participates in two tuition exchange programs: The Tuition Exchange Inc. and The Council of Independent Colleges Tuition Exchange Program. Participation is contingent on the employment of a parent at an institution which also participates in these programs. Awards are valued at up to full tuition, depending on the student’s eligibility for other tuition specific awards or entitlement funding. Students selected to receive awards will receive a participation agreement form that further defines the rights and responsibilities of a program participant.

Undergraduate Bachelor of Arts Degree – Satisfactory Academic Progress Standards and Procedures

To be eligible for Federal and/or Indiana State financial aid at Franklin College, a student must meet the Satisfactory Academic Progress (SAP) standards listed below. Federal regulations require that your entire Franklin College academic record be reviewed for SAP, including semesters in which you did not apply for or receive financial aid.

Satisfactory Academic Progress (SAP) Standards (evaluated at the end of each term.)

- Cumulative Grade Point Average (GPA) – Qualitative
  - Freshman (0 - 26 credits)
    - cumulative GPA of 1.60 on a 4.00 scale (end of 1st semester)
    - cumulative GPA of 1.80 on a 4.00 scale (beyond 1st semester)
  - Sophomore (27-57 credits)
    - cumulative GPA of 1.90 on a 4.00 scale
  - Junior/Senior (58+ credits)
    - cumulative GPA of 2.00 on a 4.00 scale
• **Completion Rate – Quantitative**
  o The total credit hours earned divided by the total credit hours attempted. A student may not fall below a 67% completion rate.
    ▪ Courses completed with grades of A, B, C, and D count toward earned credit hours.
    ▪ Courses completed with grades of F, W, I or any other grade that does not result in credit hours completed will not count in earned hours.

• **Maximum Degree Completion (i.e. Duration)**
  o A student must complete their degree program without having attempted more than 150% of the number of credits required for the degree.
    ▪ Example: If a degree program requires 120 credit hours to complete, the student must complete the degree program without having attempted more than 180 credits (120 x 1.5 = 180).

**Warning Semester**
Students who fail to meet the SAP GPA and/or SAP Completion Rate standard(s) will be placed on **SAP Warning** and will have one semester to restore their satisfactory academic progress standing. During the SAP Warning semester, a student will be awarded the financial aid for which they have applied and are otherwise eligible. If it is determined that a student will not meet the SAP Maximum Degree Completion standard, that student’s aid eligibility is immediately terminated.

**Appeal for SAP Probationary Semester**
Students who have been placed on SAP Warning and fail to restore their satisfactory academic progress standing after the SAP Warning semester are placed on suspension status under which Federal and Indiana State student aid eligibility is lost. A student may appeal this determination to the Director of Financial Aid.

The appeal must include the SAP Appeal Form and a signed personal statement. Supporting documentation may be requested by the Director of Financial Aid. Reasons that may be acceptable for an appeal may include but are not limited to: (1) serious illness or accident on the part of the student; (2) death, accident or serious illness in the immediate family; (3) change in academic program; and, (4) other extenuating circumstances.

The signed personal statement must include the following: (1.) the student’s clear understanding of what SAP standard(s) they failed to meet, (2.) what circumstances led to them not meeting the standard(s), and (3) what has changed that will allow the student to restore their satisfactory academic progress standing after the SAP Probationary semester.

Please note that merely filing a SAP appeal does NOT guarantee continued eligibility for Federal and/or Indiana State aid, as an appeal may be denied. Notification of the appeal results will take place within ten business days from the receipt of the appeal.

If an appeal is approved, the student will be placed on **SAP Probation** and an Academic Plan will be implemented to measure the student’s progress during the SAP Probationary semester. For the SAP Probationary semester, the student will be considered eligible for Federal and/or Indiana State aid for which the student has applied.

If an appeal is denied, the suspension decision is final for that semester. The student may re-establish eligibility for a subsequent semester by taking action that brings him or her into compliance with the SAP standards. Suspension from financial aid does not prevent students from enrolling without financial aid if they are otherwise eligible to continue their enrollment.

**Regaining Eligibility**
Students who failed to meet these Satisfactory Academic Progress standards and who choose to enroll without benefit of student financial aid may request a review of their academic record after any term in which they are
enrolled without the receipt of financial aid. If the standards are met at the time of review, eligibility may be regained for subsequent terms of enrollment in the academic year.

**Grading, GPA, and correlation to SAP standards**
The college employs the following grading system, based on a 4.00 grading scale:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Description</th>
<th>GPA</th>
<th>SAP Correlation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Exceptional</td>
<td>4.00</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>A-</td>
<td></td>
<td>3.67</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>B+</td>
<td>Good</td>
<td>3.33</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>3.00</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>B-</td>
<td></td>
<td>2.67</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>C+</td>
<td>Satisfactory</td>
<td>2.33</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>C</td>
<td>Satisfactory</td>
<td>2.00</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>C-</td>
<td></td>
<td>1.67</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>D+</td>
<td>Passing, but unsatisfactory</td>
<td>1.33</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>1.00</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>D-</td>
<td></td>
<td>0.67</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0.00</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>NG</td>
<td>No grad reported</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>AU</td>
<td>Audit</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory (Pass)</td>
<td>-</td>
<td>Quantitative</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory (Fail)</td>
<td>-</td>
<td>Quantitative</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal</td>
<td>-</td>
<td>Quantitative</td>
</tr>
<tr>
<td>WF</td>
<td>Withdrawal Failing</td>
<td>0.00</td>
<td>Qualitative/Quantitative</td>
</tr>
<tr>
<td>WP</td>
<td>Withdrawal Passing</td>
<td>-</td>
<td>Quantitative</td>
</tr>
<tr>
<td>CR</td>
<td>Advanced placement &amp; departmental credit</td>
<td>-</td>
<td>Quantitative</td>
</tr>
</tbody>
</table>

**Grading Reference**

**I (incomplete):** Indicates there is still a possibility for credit after further work. It is used by the classroom instructor when a definite grade cannot be given because of a student’s illness or because of some justifiable delay in the completion of the work. The student initiates the process by filling out a petition to be granted an incomplete grade; these forms are available in the Academic Records Office. The course instructor then approves the written appeal after having reviewed the circumstances, and indicates in writing how the incomplete may be resolved, and establishes, in consultation with the student, a definite but reasonable completion date for all course work, usually as early as possible. The Academic Rules Committee must then approve all requests and may modify the due date after discussing the matter with the appropriate faculty member. When an incomplete grade is granted, it is the student’s responsibility to consult with the instructor involved and to determine exactly the instructor’s expectations regarding the fulfillment of the course work. The grade of “I” is not calculated into the grade point average. The “I” changes to an “F” if the work is not satisfactorily completed by the specified time, or no later than six weeks after the beginning of the next semester.

**NG (no grade):** Used for reporting mid-semester grades for practica, seminars, and individual studies, or may be used administratively by the Academic Records Office. The NG may also be assigned to labs with no separate credit awarded.

**AU (audit):** Given only for informational instruction obtained by attending the course. The student must elect to audit a course within the first week of classes and cannot take the course for credit thereafter. Students will not
be awarded course credit for those courses they choose to audit. Should the student not attend the course, the instructor may administratively withdraw the student from the audited course. Students may only audit two courses during a given semester.

S or U (pass or fail): Neither the S nor U contributes to or detracts from the grade point average; however, credit hours are counted in the quantitative standard.

W (withdrawal): A grade of “W” is not calculated into the grade point average; however, credit hours are counted in the quantitative standard.

WP (withdrawal passing): Not calculated into the grade point average; however, credit hours are counted in the quantitative standard.

WF (withdrawal failing): Is calculated into the grade point average as an “F” and credit hours are counted in the quantitative standard.

CR (advanced placement & departmental credit): Used to denote credit awarded to a student according to performance upon certain nationally standardized examinations or departmental examinations. Credit hours are awarded and course equivalences determined. The placement does not affect the grade point average; however, credit hours are counted in the quantitative standard.

[] (repeated course): Retaking courses in which the student either received a passing or failing grade, adversely affects the student’s ability to meet the progress requirements. All attempted credit hours are counted in the quantitative standard.

[] (repeated course) – continued: Students are allowed only one time to repeat a course in which they achieved a passing grade. After one allowable time, the student will not earn federal financial assistance for future repeats. For example: a student earns a "D" in a course and wants to repeat the class (the student has already repeated a passing grade course one other time). If the repeat course makes the enrollment full-time (9 credits + 3 credit hour repeat) then the federal aid will be adjusted to ¾ time enrollment for 9 credit hours. If the course is added to full-time enrollment of 12 or more credit hours, the student can receive federal aid based on full-time status.

Transfer Credits: Only transfer credit hours officially accepted will be counted in the maximum number of attempted (and completed) credit hours for financial aid eligibility. If the student is required to take additional hours that would exceed the maximum cumulative allowable hours, the student must submit a written appeal to the Office of Financial Aid. If the appeal is approved, the student may continue to receive financial aid.

Second Degree Students: Students who are enrolled in a degree program, which is equal to or lower than a degree already earned, will have the previous degree’s accepted credit hours applied toward the student’s current certificate or degree program. The accepted credit hours will be counted in the maximum number of allowable credit hours for financial aid eligibility.

Per Electronic Announcement (2020-03-05): Circumstances related to an outbreak of COVID-19, including, but not limited to, the illness of a student or family member, compliance with a quarantine period, or the general disruption resulting from such an outbreak may form the basis of a student’s SAP appeal even if not specifically articulated in the institution’s SAP policy.
Master of Science in Athletic Training – Satisfactory Academic Progress Standards and Procedures

The Office of Financial Aid has developed the following standards and procedures regarding Satisfactory Academic Performance (SAP) as it pertains to the Master of Science in Athletic Training students’ financial aid eligibility. Federal regulations require a student’s entire Franklin College academic program record be reviewed for SAP, including semesters in which they did not apply for or receive financial aid. A student who fails to maintain the required SAP standards will be placed on SAP Warning. With failure to improve, the student may find their eligibility for financial aid suspended.

The following standards will measure the student’s qualitative and quantitative progress towards degree completion. Furthermore, a student’s maximum timeframe will also be measured.

Qualitative: Cumulative Grade Point Average (GPA)
To successfully maintain the qualitative standard of SAP, the student must maintain a cumulative GPA of 3.0 on a 4.0 scale.

Quantitative: Completion Rate
To successfully maintain the quantitative standard of SAP, the student must maintain a cumulative completion rate of 2/3 or 67% (the total credit hours earned divided by the total credit hours attempted).

- Courses completed with grades of A, B, C, and D count toward earned credit hours.
- Courses completed with grades of F, W, I or any other grade that does not result in credit hours completed will not count in earned hours.

Maximum Timeframe: Duration
To successfully maintain the duration standard of SAP, the student must be able to complete their degree program without having attempted more than 150% of the number of credits required for the degree.

- Example: If a degree program requires 60 credit hours to complete, the student must complete the degree program without having attempted more than 90 credits (60 x 1.5 = 90).

Grades and GPA Equivalencies
The MSAT program requires a minimum 3.00 cumulative grade point average (GPA). The grading system for the MSAT program is defined below:

<table>
<thead>
<tr>
<th>Grade Range</th>
<th>Letter Grade</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>90–100</td>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>87–89.99</td>
<td>A-</td>
<td>3.67</td>
</tr>
<tr>
<td>83–86.99</td>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>80–82.99</td>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>77–79.99</td>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>Grade</td>
<td>Code</td>
<td>GPA</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>73–76.99</td>
<td>C+</td>
<td>2.33</td>
</tr>
<tr>
<td>70–72.99</td>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
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<tr>
<td>Transfer Credit</td>
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**SAP Warning**

A student will be placed on SAP Warning for one semester due to the failure of maintaining one or more of the above SAP standards. Failure to improve will result in the student’s immediate suspension of financial aid eligibility.

**SAP Suspension**

A student for whom financial aid eligibility has been suspended may appeal this determination to the Director of Financial Aid.

The appeal must include the SAP Appeal Form and a signed personal statement. Supporting documentation may be requested by the Director of Financial Aid. Reasons that may be acceptable for an appeal may include but are not limited to: (1) serious illness or accident on the part of the student; (2) death, accident or serious illness in the immediate family; and (4) other extenuating circumstances.

The signed personal statement must include the following: (1.) the student’s clear understanding of what SAP standard(s) they failed to meet, (2.) what circumstances led to them not meeting the standard(s), and (3) what has changed that will allow the student to restore their satisfactory academic progress standing after a SAP Probationary semester.

Merely filing an appeal does NOT guarantee continued eligibility for Federal aid, as an appeal may be denied. Notification of the appeal results will take place within ten business days from the receipt of the appeal.
SAP Probationary Semester
If an appeal is approved, the student will be placed on SAP Probation and an Academic Plan will be implemented to measure the student’s progress during the SAP Probationary semester and the student will be considered eligible for Federal aid for which the student has applied.

Denied Appeals
If an appeal is denied, the suspension decision is final. The student may re-establish eligibility for a subsequent semester by taking action that brings him or her into compliance with the SAP standards. Suspension from receiving financial aid does not prevent students from enrolling if they are otherwise eligible to continue their enrollment.

Regaining Eligibility
Students who failed to meet the SAP standards and who choose to enroll without benefit of student financial aid may request a review of their academic record after any term in which they are enrolled without the receipt of financial aid. If the standards are met at the time of review, eligibility may be regained for subsequent term of enrollment.

SAP Terminology
Withdrawals (W): Courses that are recorded on the student's permanent academic transcript will be included as credit hours attempted. These will have an adverse effect on the student’s ability to meet the requirements of the credit hour progression schedule for financial aid.

Incomplete grades (I): Courses that are assigned an incomplete grade are included in the cumulative credit hours attempted. These cannot be used as credit hours earned in the progress standard until a successful grade is assigned.

Repeated Courses: Retaking courses in which the student either received a passing or failing grade, adversely affects the student’s ability to meet the progress requirements. All attempted credit hours are counted in the quantitative standard.

Students are allowed only one time to repeat a course in which they achieved a passing grade. After one allowable time, the student will not earn federal financial assistance for future repeats.

Transfer Credits: Only transfer credit hours officially accepted will be counted in the maximum number of attempted (and completed) credit hours for financial aid eligibility. If the student is required to take additional hours that would exceed the maximum cumulative allowable hours, the student must submit a written appeal to the Office of Financial Aid. If the appeal is approved, the student may continue to receive financial aid.

Master of Science in Physician Assistant Studies – Satisfactory Academic Progress Standards and Procedures

The Office of Financial Aid has developed the following standards and procedures regarding Satisfactory Academic Performance (SAP) as it pertains to the Master of Science in Physician Assistant Studies students’ financial aid eligibility. Federal regulations require a student’s entire Franklin College academic program record be reviewed for SAP, including semesters in which they did not apply for or receive financial aid. A student who fails to maintain the required SAP standards will be placed on SAP Warning. With failure to improve, the student may find their eligibility for financial aid suspended.

The following standards will measure the student’s qualitative and quantitative progress towards degree completion. Furthermore, a student’s maximum timeframe will also be measured.
Qualitative: Cumulative Grade Point Average (GPA)
To successfully maintain the qualitative standard of SAP, the student must maintain a cumulative GPA of 3.0 on a 4.0 scale.

Quantitative: Completion Rate
To successfully maintain the quantitative standard of SAP, the student must maintain a cumulative completion rate of 2/3 or 67% (the total credit hours earned divided by the total credit hours attempted).
- Courses completed with grades of A, B, C, and D count toward earned credit hours.
- Courses completed with grades of F, W, I or any other grade that does not result in credit hours completed will not count in earned hours.

Maximum Timeframe: Duration
To successfully maintain the duration standard of SAP, the student must complete their degree program without having attempted more than 150% of the number of credits required for the degree.
- Example: If a degree program requires 111 credit hours to complete, the student must be able to complete the degree program without having attempted more than 166.5 credits (111 x 1.5 = 166.5).

Grades and GPA Equivalencies
The MSPAS program requires a minimum 3.00 cumulative grade point average (GPA). The grading system for the MSPAS program is defined below:

<table>
<thead>
<tr>
<th>Grade Range</th>
<th>Letter Grade</th>
<th>Quality Points</th>
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</thead>
<tbody>
<tr>
<td>90–100</td>
<td>A</td>
<td>4.00</td>
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<tr>
<td>87–89.99</td>
<td>A-</td>
<td>3.67</td>
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<tr>
<td>83–86.99</td>
<td>B+</td>
<td>3.33</td>
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<tr>
<td>80–82.99</td>
<td>B</td>
<td>3.00</td>
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<tr>
<td>77–79.99</td>
<td>B-</td>
<td>2.67</td>
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<tr>
<td>73–76.99</td>
<td>C+</td>
<td>2.33</td>
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<tr>
<td>70–72.99</td>
<td>C</td>
<td>2.00</td>
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Student Life

The Student Development team is here to help you feel like Franklin College is your home away from home. The programs, activities, organizations, events, and support that are facilitated by the Student Development team will foster the sense of belonging that makes you feel like a Grizzly! You will have transformative learning experiences outside of the classroom that will complement your coursework and prepare you to be leaders in your professions and in the world. We work to foster a sense of community, engagement, inclusivity, support, and holistic wellness so that you can do your best academic work and become the best version of yourself!

As members of a community of learners, the college expects conduct that not only meets the expectations of laws and college regulations, but more importantly is consistent with the college’s values. Each member of the Franklin College community will develop a personal sense of responsibility as well as a concerned understanding for the rights and well-being of others.

All students are expected to know and observe the local, state, and federal laws as well as the college regulations as published in this catalog and in The Student Handbook: A Guide to Campus Life. The student handbook is published annually on the College’s website at http://www.franklincollege.edu/student-life/student-handbook.

Academic Resource Center
The Academic Resource Center, located on the first floor of Hamilton Library, provides students with opportunities to expand upon their knowledge and understanding in a collaborative and supportive environment. Popular ARC programs and services include the Write Place, Math Study Center and Supplemental Instruction. The ARC also coordinates accommodations for students with disabilities.

B.F. Hamilton Library
The primary goal of the library is to support and enhance the College’s academic programs. We do this by providing a wide variety of print and electronic resources based on the curriculum, along with guidance in the discovery, evaluation, and use of resources through classroom instruction and individual consultation. Research consultations are available in person, via e-mail, and over Zoom. Personal service for the entire community is a high priority.

Hamilton Library houses three floors of resources with more than 90,000 books and 6,000 videos. Additionally, the library’s website provides access to more than 17,000 full-text journals and newspapers and over 14,000 streaming videos. The library offers a variety of seating options for 275 students, including study carrels, group study rooms, casual study areas, and two computer labs. Wireless networking throughout the building provides internet access to the Franklin College community for laptop computers and other wireless devices.

Also housed in Hamilton Library are the Archives and Special Collections, with three distinct components. The Franklin College Archives contain material related to Franklin College, while the Indiana Baptist Archives contain information pertaining to the American Baptist Churches of Indiana-Kentucky. The third collection consists of the gubernatorial and other related papers of Roger D. Branigin, a Franklin College alumnus and governor of Indiana (1965-1969). These are the only Indiana state governor’s papers to be housed outside the state archives.

HamiltonONE, the library’s first floor, is an innovative collaboration between the Student Development and Academic Affairs Divisions, and provides a wide range of academic support to students through the Academic Resource Center, the Center for Student Success and Retention, and Library Services. Enhanced support for students is provided through cubbies on the second floor that facilitate group study but also provide specialized technology—a green wall for recording presentations in one, and a large monitor in the other to make collaboration easier. Both rooms, as well as two smaller ones in the same location, can be used as “Zoom rooms.” A lactation room is available on the second floor as well.
Career Development
Selecting a career is an important decision requiring knowledge about career opportunities and about one’s own interests, abilities and personal values. In a mobile society, a person is likely to make from three to five major career changes. Thus, though an initial career choice may be made while in college, it is important that one learns about the many career options available and how to go about selecting a career. For this reason, Franklin College offers career planning services for all students through their undergraduate and graduate student years and for alumni.

The career development office provides services to complement the undergraduate and graduate student education. Individual and group advising are the core of the comprehensive program that also includes career fairs, speakers on different career areas, and workshops on practical job search skills. A career resources library is available, and the office maintains an online job-listing service. Part-time, summer employment and internship listings are also available online. These services are provided at no cost to students and alumni. The career development office also coordinates the immersive term, semester-long, and summer internship programs, except for education major internships which are coordinated through the director of teacher education, and exercise science internships which are coordinated through the exercise science department. Internships are excellent opportunities for students to gain direct knowledge of a career, develop a professional network, and to gain valuable, practical work experience in that field.

Specific questions concerning these activities and services may be answered by contacting the career development office, located in the Ruth Lilly Center for Exploration (phone 317-738-8803).

Counseling Center
The Student Counseling Center, located on the second floor of the Student Center, provides free services to all full time students. Students may seek counseling for a variety of psychological and emotional issues. The center offers workshops to classes and campus groups on such topics as stress and time management, alcohol and other drugs, sexual assault and a variety of other psycho-social topics.

Disability Services
Franklin College is committed to providing equal access to students with disabilities. Reasonable and appropriate accommodations will be provided to students with disabilities to ensure equal access to academic programs and other college-sponsored activities. It is the responsibility of the student to identify him/herself and formally request accommodations. The Academic Resource Center invites any student wishing to request reasonable accommodations to meet with an ARC staff member to discuss past use of accommodations and disability related barriers they anticipate or are experiencing at the college. The process for determining accommodations is a collaborative one and may or may not require documentation. Medical records, psychoeducational testing and school records (such as IEP or 504 plan) may help guide the conversation and support specific requests. If this type of information is available, please submit it or bring it to your first meeting with the ARC staff member. Please do not delay meeting with the Academic Resource Center out of concern for not having appropriate paperwork.

Disability documentation submitted by a student is confidential. Franklin College will not release any part of the documentation without the student's informed consent.

Students who do not demonstrate foreign language proficiency at the 200-level or higher on the Franklin College placement exam or similar exam must successfully complete a Franklin College course in a foreign language numbered 111 or higher or the equivalent at another institution. Students with a disability that impairs the ability to acquire a foreign language may apply for a substitution for the language requirement. While substitutions may be considered, waivers are never granted. If the foreign language substitution is granted, the student must take two alternate courses from the approved substitution list. Please note that an exemption from meeting foreign
Franklin College mathematics courses are designed to provide students with fundamental knowledge of and facility with concepts and processes in mathematics. In cases where a student has a disability that profoundly impairs academic performance in the quantitative area and precludes him or her from completing the mathematics requirement, the student may petition for a course substitution. Mathematics and the concepts learned in mathematics are considered essential components of many programs of study and substitutions may not be considered for all programs. Except in extraordinary circumstances, a petition will only be considered in programs of study where LA 103 is the terminal mathematics course. While substitutions may be considered, waivers are never granted. If the mathematics course substitution is granted, the student must take one alternate course from the approved substitution list. Please note that an exemption from meeting mathematics requirements in high school or at another college or university does not guarantee a substitution at Franklin College.

For further information regarding Disability Services please contact the Director of the Academic Resource Center or visit the ARC website.

Health Services
Health Services, located on the second floor of the Student Center, is prepared to assist students with health concerns. The Health Center is staffed by a registered nurse five days a week. All services are confidential and are offered to students at no charge. When appropriate, referrals may be made to medical or mental health agencies. There is an option of having a virtual physician evaluation for illnesses, and this service will be billed to insurance. STI screening is offered by the Marion County Health Department once a month with no charge. The Health Center Coordinator also provides educational materials to students on various topics.

Launch: Franklin College's First-Year Experience Program
College is the only time in your life purely devoted to self-discovery. At Franklin College, we know how life-changing these four years are—which is why we created Launch. Launch is a yearlong program that propels your transition into college and empowers your social, personal and academic growth. While every first-year student will participate in each aspect of Launch, your Launch experience is completely tailored to YOU.
You’ll be intellectually invigorated because you will take courses focused on topics that intrigue you. You’ll be inspired by a personal panel of advisers focused specifically on your success. You’ll get to know your character and the talents that make you different from everyone else. And you’ll have access to every resource and person you could ever need along the way. So buckle up and prepare for takeoff as you get ready to meet your best self, overcome new and exciting challenges and launch your success at Franklin College.

New Student Registration Day
Registration Day is the kickoff to a time in your life that’s dedicated to becoming your best self. This day will set you up for success as you prepare for a four-year journey of self-discovery. During Registration Day, you’ll:
• Meet with a faculty Academic Adviser: Academic Advisers serve as personal mentors who will help turn your life goals into a four-year plan that prepares you to pursue your biggest dreams.
• Attend exploratory sessions: You’ll attend sessions that will grease your personal growth gears. In one, you’ll reflect on your educational past, what’s worked, what hasn’t and how to make the most of your college career. In another, you’ll look to the future and learn to empower yourself for success in your academic, social and professional lives.
• Meet a Launch Team: Like every first-year student, you have a personal panel of advocates to challenge you, inspire you and help you thrive. You’ll meet a Launch Team and learn more about the magical formula that makes this approach so successful.
Welcome your parents to the community: Registration Day features several sessions specifically for parents. They can attend talks on topics like financial aid and how best to support you during the next four years.

Take care of some logistics: Take your photo for your student ID, register for classes, preference your first-year seminar and get to know campus.

Welcome Week
Welcome Week is dedicated to setting you up for a successful first semester of college. Think of this week as sacred space reserved specifically for getting you ready for the next step in your life. In addition to moving in and getting oriented to campus, you’ll participate in several events, activities and workshops, including:

- Becoming a Part of Our Tradition: Celebrate the official start of your college career as you participate in legacies passed down for more than 180 years. Attend the Opening Convocation and Bell Ceremony, smile for the annual class photo and take a walk around Dame Mall to commemorate your Franklin College initiation.
- Building Community: Participate in a host of events designed specifically for you to meet your fellow classmates, faculty and staff and create a sense of belonging at a college that cares.
- Being Engaged: Check out the college’s 40+ student organizations at the Student Activities Fair, attend sessions that provide valuable tools and resources for success, meet your Launch Team and First-Year Seminar classmates for the first time.
- Learning the Ins and Outs: You’ll attend programs that share college expectations and policies, introduce you to technology we use on campus, check your academic schedule one more time before classes start and discover where everything is on campus.

First-Year Seminar
As part of your fall semester course load, you’ll take a three-credit First-Year Seminar, a class you’ll select solely based on your personal passions. While you examine a topic like religion and the Marvel universe, young adult literature and social change, or the culture of competitive sports, you’ll do so in the company of like-minded peers who share your interests. Find your tribe and have fun gaining skills that will aid you in your other classes, including:

- Critically reading and analyzing text
- Creating connections between course topics
- Asking meaningful questions
- Engaging in academic discourse

Launch Lab
Think of Launch Lab as your weekly personal growth hour. In this lab, you’ll gain personal development skills while creating community with people who are also building their best lives. Together you’ll learn how to advocate for yourselves, how to fail resiliently, how to center your body and mind and how to make the most of your strengths. While most weeks you’ll meet exclusively with your First-Year Seminar class, the entire first-year class will attend Launch Lab together three times during the semester during Community Hours, covering topics like:

- Transitioning to Franklin College: What to expect as you adjust to college life
- Taking Care of Yourself: Assessing and caring for your physical and emotional health
- Valuing Others: Expressing gratitude, fostering inclusivity and creating community

Pivot
Pivot is the college’s annual on-campus personal development summit that takes place at the end of Immersive Term. As an attendee, you’ll participate in a series of interactive and energizing workshops, honing skills you’ll need to succeed in the real world. Instead of centering on lectures and textbooks, Pivot workshops feature hands-on learning.
Don’t just read about cooking – master a new dish. Don’t just study art – knit your first scarf. As one of the only colleges in the country offering this kind of engaged learning, Franklin College curates a holistic collection of workshops that span three core areas:

- **Professional development**: Workshop topics include setting goals based on your strengths, standing out to employers and managing your social media brand.
- **Wellness**: Workshop topics include living with stress, getting quality sleep and expressing gratitude.
- **Inclusivity**: Workshop topics include gracefully discussing politics and religion, listening actively and leading wholeheartedly.

**Launch Team**

Get ready to meet your personal panel of success advisers. Your Launch Team is a hand-selected group of four people dedicated to helping you succeed at Franklin College. You’ll meet with your Launch Team often to review your personal and academic goals as they create a network of support for you and guide you through the launch of your adult life. Your Launch Team includes:

- **Your Academic Adviser** is a faculty member who is here to challenge and inspire you as you define your academic goals, develop a four-year plan to achieve them and adjust that plan to match your goals and vision for the future.
- **Your First-Year Seminar Instructor** already shares a passion with you; he or she has crafted a course around a topic that you get to select based on your own interests. On top of that, this person will get to know you deeply—both personally and academically—as you attend First-Year Seminar three times per week during fall semester.
- **Your Launch Mentor** will—as a fellow student who’s been there—help you successfully transition to college. This person is here to answer tactical questions about homework, classes and college life, but will also spark deeper conversations about your life goals and passions and how you can manifest them on campus and in the community.
- **Your New Student Advocate** facilitates the Launch Lab and will get to know other facets of you as you explore your strengths, passions and holistic wellbeing in a weekly lab that empowers your personal growth.

**HamiltonONE**

HamiltonONE is the college’s student success hub. Think of it as your one-stop shop for all things related to your success at Franklin College. Located on the first floor of B.F. Hamilton Library, HamiltonONE is home to the supportive people you need to thrive at college, academic resources and a great place to hang out.

Visit HamiltonONE to meet with the associate dean of academic success, director of first-year engagement, and the information literacy librarian. You can access the college’s vast collection of student resources or simply swing by to study and hang out with your friends. Helpful resources located in HamiltonONE include:

- **Center for Student Success**: The official ‘Launch Headquarters’ and the team committed to seeing you personally, academically and socially thrive at Franklin College
- **FC Cares**: A cross-functional team of staff who work to help students who are struggling with anything that might be a barrier to success at college. This group creates individual action plans to help you thrive.
- **Launch Mentor office hours**: Need some advice or just a friendly face? Launch Mentors hold walk-in office hours 35 hours a week.
- **The Write Place**: A collective of your peers who can help you with any stage of the writing process, including structuring your thoughts, editing your final text and citing your sources.
- **Math Study Center**: A community of tutors and professors who can collaborate with you as you prepare for math tests, work through homework assignments and face mathematical challenges.
- **Supplemental instructors**: Course-specific peer tutors who excelled in the classes you’re taking and can guide you through homework assignments, test prep and effective study habits as you adjust to your college course load.
- Research: Schedule a research conversation to ensure that you’ve consulted the best sources and know how to cite them. The research librarian is here to work with you throughout college.
- Library resources: Course reserves? Interlibrary loan? Get them all at the Front Desk. Library staff are here to support you as you access research databases, leverage B.F. Hamilton Library’s vast collection of scholarly texts, and develop information and digital fluency.

**Center for Diversity and Inclusion**
Committed to maintaining a diverse community in an atmosphere of mutual respect, Franklin College provides an opportunity for students to live and study among other races, cultures, sexual orientations, religions, gender identities, economic backgrounds and so forth. To be successful in a diverse environment, students can expect support from several administrative and academic departments, including the Center for Diversity & Inclusion where the vision is to be a catalyst dedicated to engaging all cultural communities at FC around the value of diversity. We aim to create an inclusive educational environment where understanding, dialogue, and the free exchange of ideas are celebrated. These efforts will contribute to the development of critically conscious global citizens at FC and beyond. The mission of the Center is to support students, faculty/staff and the community by promoting the value of diversity, broadening multicultural awareness, advancing cultural competence and encouraging cross-cultural collaborative relationships through education and advocacy. The Center for Diversity and Inclusion offers a wide variety of programs and services for the Franklin College campus including the B.O.S.S. (Building Opportunity through Support and Structure) Mentoring Program, Diversity Advocates, Brother to Brother, Sister to Sister, Diversity Workshops/Trainings, Resource Library, Diversity Programming Support/Consultation, Academic Assistance, Mentoring & Support, Safe Zone Training, Diversity Workshops, Multicultural Organization and Advisor Support and oversees the Multicultural Lounge and the Center for Diversity & Inclusion.

**Parent/Guardian Notification Policy**
Franklin College strives to create a partnership between parents/guardians, students, and the college to promote student success. As part of that partnership, Franklin College will notify the parents or guardians of dependent students* if the student is placed on academic probation or if the student’s education or on-campus housing is at risk for medical or disciplinary reasons. The college will also contact parents/guardians if a student is at risk of harm to self or others.
*Dependent status is determined by the college’s financial aid office.

**Religious Life Program**
The Religious Life program welcomes all Franklin College students and strives to create a safe environment for students to put into practice the beliefs of their various religious and spiritual traditions. In addition to Christian worship services, students are invited to develop their spiritual lives through workshops, field trips, discussion groups, and programs designed to engage students of any religious background. Opportunities are also available for students who may be exploring their spiritual lives for the first time. The College Chaplain is also available to assist students in finding appropriate communities of worship in the local area. All Religious Life activities are optional, and students will not be asked to participate beyond their comfort level.

Rev. Hannah Adams Ingram serves as College Chaplain and is available to meet with members of the campus community to discuss spiritual life, religious questioning, vocational discernment, and more. Meetings can be scheduled by e-mail at HAdamsIngram@franklincollege.edu. The Religious Life offices and student lounge are housed on the second floor of the Chapel and are open daily for student use. There is also an interfaith prayer and meditation room available on the lower floor of the chapel. FC students, faculty, and staff may request to be added to the Religious Life mailing list in order to receive a weekly e-mail detailing Religious Life activities. They may also follow @FCChaplain on Twitter.
Residence Life
Franklin College firmly believes on-campus living offers unique opportunities for socialization and participation in community governance. Our inclusive environment and navigating the challenges of living are contributing factors in the overall education and personal development of students. Franklin College has four residence halls, three fraternity chapter houses, and three campus homes. All first-year students, sophomores, and juniors are required to live in one of these residences. Detailed residence life regulations are published in The Franklin College Student Handbook: A Guide to Student Life, located on the College’s website at https://franklincollege.edu/campus-resources/student-handbook/.

Residence halls are staffed by live-in professionals and student paraprofessionals (Resident Assistants). All staff members are trained and supported by the staff of the division of student development to help students with their adjustment to campus. Fraternity houses are staffed by student paraprofessionals (House Directors) who are trained and supervised by the Director of Student Involvement and Greek Life.

Security
The Franklin College Office of Security is dedicated to providing a safe and secure working/living environment. The office is located on the ground floor of the Napolitan Student Center and an officer can be reached by calling (317) 738-8888 or 8888 from a campus phone.

The Office of Security consists of a director and six full-time officers. Additionally, the department employs students as security assistants. A full-time officer is on-duty 24 hours a day, every day of the year. In addition to the security officers, the Office of Security employs off-duty police officers on a part-time basis. These police officers supplement the security force during high activity periods or as needed for special events.

Security officers make regular patrols of all campus buildings and grounds. During these patrols, officers enforce college policy, patrol parking lots, enforce parking regulations, lock doors, and check windows. The officers respond to calls for assistance from the campus community, to include providing a dusk until dawn escort service.

Center for Student Involvement
MISSION STATEMENT: Guided by the spirit of the Franklin College mission and values, the Center for Student Involvement serves students through engagement opportunities. We are mentors, advisers and educators. Through attentiveness to student needs, we seek to create transformative experiences, a vibrant community and life-long memories.

GUIDING PRINCIPLES:

- Support students in pursuit of their passions
- Preserve and celebrate Franklin College’s historic and new traditions
- Empower students to be active participants in the co-curricular experience
- Create accessible, diverse and inclusive opportunities and environments
- Help develop life-long skills, such as critical thinking, social responsibility, the valuing of difference, problem solving, communication and leadership
- Provide a fun, lively and community-driven atmosphere that enhances the Griz journey

VISION STATEMENT: The Center for Student Involvement will connect every student to Franklin College through purposeful engagement.
Academic Policies and Procedures

Academic Dishonesty and Plagiarism

Students are expected to maintain high standards of personal integrity in their academic coursework. In all matters relating to academic dishonesty (including plagiarism), the initial level of communication toward resolution of the problem will be a personal conference between the student and the appropriate member of the faculty.

The faculty of Franklin College recognize the following as violations of academic honesty:

1. Dependence upon the assistance of others beyond that which is expressly approved by the instructor in writing papers, preparing laboratory reports, solving problems or carrying out other assignments.

2. Plagiarism. Plagiarism is the use, whether by paraphrase or direct quotation, of published or otherwise recorded materials or the unpublished work of another person without full and clear acknowledgment.
   a. Because electronic information is volatile and easily reproduced, respect for the work and personal expression of others is especially critical in computer environments. Violations of authorial integrity, including plagiarism, invasion of privacy, unauthorized access and trade secret and copyright violations are grounds for sanctions against members of the academic community. This includes, but is not limited to, purchasing or acquisition of term papers, speeches, and printed materials from “term paper mills.”
   b. It also includes appropriating portions of another’s work to use without attribution

3. Cheating on quizzes, tests, any kind of assessment or examinations by:
   a. Referring during the examination to books, papers, notes, and electronic devices not specifically authorized by the instructor.
   b. Receiving during the examination information from another person or communicating information to another person or attempting to receive or communicate information.
   c. Using a substitute to take a quiz, test or examination or acting as such a substitute.
   d. Buying, selling or stealing a copy of an examination in advance of its administration or referring to such an examination after it has been obtained by another.
   e. Obtaining through any means the tests of a professor that he or she normally does not let circulate.
   f. Participating in or attempting to practice any other form of deceit on a quiz, test, paper, speech or assignment of any kind.

4. Permitting another student to use one’s work as his or her own

5. Mutilating, stealing, hiding or illegally removing or keeping Franklin College library materials or materials made available for student use by a faculty member or a college department.


Procedures for Cases of Alleged Academic Dishonesty and Plagiarism

Upon detecting an instance of academic dishonesty, the faculty member will promptly discuss the matter with the student involved. Upon determination of responsibility, the faculty member must submit a full report of the offense, with sanctions requested, to the VPAA with a copy to the student or students involved. The VPAA will investigate the charge thoroughly. If the VPAA concurs with the faculty member’s determination, written notification will be sent to the student, with a copy to the faculty member, the registrar, and the dean of students. The letter will include the sanction(s) imposed as a result of the violation based on the following guidelines:

For the first offense, a student who is responsible for committing academic dishonesty as a minimum will receive a penalty of “F” grade or zero for the piece of work, examination, paper, lab work, etc., involved. Additional sanctions may be imposed. The maximum penalty will be for the course final grade to be lowered by not more than one letter grade, whether or not the “F” grade or zero on the assignment has already done so.
Determination of a second offense of this type at any time during the student’s academic career at Franklin College will usually result in the student being dismissed from the college. **Dismissal from the college is final, and the student is no longer eligible to apply for readmission.**

If the VPAA does not concur with the faculty member’s determination, written notification will be sent to both the student and the faculty member indicating that decision.

**Appeals:**

1. Either the student or the faculty member may appeal the decision of the VPAA within 5 calendar days of the receipt of notification. The appeal will be reviewed by the Academic Appeals Committee, which is comprised of the faculty members of the Student Life Committee and a designee of the Steering Committee. Appeals to this committee are submitted in writing to the Dean of Students.

2. In cases which involve a sanction of academic dismissal, the student may appeal his or her case to the president of the college within 5 calendar days of the receipt of the decision of the Academic Appeals Committee. The president’s decision is final.

3. All appeals and appellate decisions must be communicated in writing.

**Academic Majors and Advisors**

A major consists of a minimum of 24 semester hours in the major department and a minimum of 12 semester hours in one or more fields integrally related to the major. Courses required in the major field must be completed with a minimum grade of ‘C’ or better, and a minimum grade point average of 2.00 (A=4.00) must be maintained within the major fields unless otherwise specified by individual departments. No course required for graduation in an academic major may be taken on a pass-fail basis. Many departments require a grade of ‘C’ in related field courses also. This is noted in the major description of each department.

For specific courses required for a major or a minor, refer to the appropriate departmental listing. Courses listed in more than one department may be used for credit under either department, except where restricted by a departmental requirement.

Upon matriculation, all students are assigned an **academic advisor.** After the first semester of the first year, a student may request an advisor change and/or declare a major. In all cases, the major/minor declaration must be initiated by the student. **A major must be declared by the end of the sophomore year.** If a minor area of study is planned, it must also be declared. The procedure is to complete the major/minor declaration form online in myFC – Departments – Academic Records. Students will receive an e-mail notification of the completion of the advisor/major/minor change.

**Academic Probation, Suspension and Dismissal**

Student academic status is reported to the VPAA upon completion of each academic period (fall semester, immersive term, spring semester, and summer sessions). A student who has attempted at least 12 hours at Franklin College will be placed on academic probation when the following minimum academic standards are not met:

- **Freshman** 0 - 26 credits: cumulative grade point average of 1.60 (A=4.00) at the end of first semester; cumulative grade point average of 1.80 (A=4.00) beyond first semester (up to 26 credits)
- **Sophomore** 27-57 credits: cumulative grade point average of 1.90 (A=4.00)
- **Junior, Senior** 58+ credits: cumulative grade point average of 2.00 (A=4.00)

The cumulative grade point average is computed exclusively on academic credit earned at Franklin College. A grade of S or U has no effect upon the cumulative grade point average.
Franklin College reserves the right to suspend any student whose grade point average falls below 1.00 for any academic period.

When a student is placed on academic probation, the period of probation begins immediately. A student on probation may not participate in intercollegiate sports; hold office in student government, social organizations, clubs, political groups, or residence halls; or serve in a leadership position of any school publication or broadcast operation. Further, a student on probation may not participate in commencement exercises. Students placed on academic probation may have their course schedules administratively adjusted to add a required academic strategies course designed to assist students in returning to good academic standing. Other conditions for academic probation may be applicable as determined by the Office of Academic Affairs. If on probation during the fall or spring semester, it is recommended that a student take no more than 14 credit hours. Students who fail to achieve the minimum required grade point average after a period of academic probation will be subject to academic suspension. Should academic probation be extended as an alternative to immediate suspension, the student must then meet or exceed the minimum grade point average standards noted above at the conclusion of the extended probation.

Students who have demonstrated a past history of academic probation or whose GPA falls below a 1.00 for any academic period may be subject to academic suspension. Students who have been suspended are not permitted to enroll in any credit bearing course until after the end of the stated suspension period and must contact the Office of Admissions for readmission. A suspended student who is readmitted on academic probation must maintain the minimum academic standards stated above during each academic period following readmission. If a student who was suspended and readmitted does not return to good academic standing after one academic period, this student will normally be dismissed. Dismissal from the college is final, and the student is no longer eligible to apply for readmission.

Activity Courses
Activity courses are one-semester-hour courses in which a student participates in an organized activity on campus. Students may enroll for credit in, at most, two activity courses per semester. The graduation requirement of 120 semester hours must include at least 116 hours of credit other than that earned as activity credit.

Courses designated as activity courses are as follows: COR 003, 010; PED 004, 009; MMJ 001, 002, 004, 005, 007; THE 001. All activity courses are graded on a pass-fail basis.

Add-Drop and Schedule Adjustment Procedures

Adding a course
Students may add a course prior to the first day of classes or during the first week of the semester. Once classes have begun, approval of the classroom instructor and the academic advisor are required. After the first week of classes, approval of the classroom instructor and the academic advisor and a special petition to the academic rules committee is also required. Additional fees may be due based on hours added.

Due to the special short-term nature of summer sessions and immersive term, a student can add a summer session or immersive term course through the second day of classes.

Dropping a course
Students may drop a course for any reason without academic penalty and have it deleted from their registration record through the 15th class day of the fall and spring semester, with the signature of the academic advisor and instructor. All student athletes participating in a sport during the semester in which they are dropping the course must also obtain the signature of the Faculty Athletic Representative (FAR), Professor Kerry Smith, before dropping
or withdrawing from the course. The FAR must sign the Schedule Adjustment Form before it is submitted to the Academic Records Office. Please refer to the academic calendar for the specific drop dates for immersive term and summer sessions.

Students will be charged tuition and fees based on the Academic Records Office’s official drop date. Tuition and fees are adjusted according to the policy listed under "Expenses and Financial Policies: Refund of Charges."

**Withdrawing from a course**

A student may withdraw from a course with a grade of ‘W’ through the ninth week of the fall or spring semester, with the signature of the instructor and academic advisor. A student who withdraws from a course after the ninth week of a semester will normally receive a grade of ‘WF’. A grade of ‘W’ can be assigned for a specific course if the withdrawal is for medical reasons and is approved by the VPAA.

Due to the special short-term nature of summer and immersive term, a student withdrawing from a summer or immersive term course after the fourth calendar day from the beginning date will receive a grade of ‘WF’. See the annual academic calendar for additional information.

**Administrative Withdrawal Policy**

Under certain circumstances, Franklin College may administratively withdraw a student from a single class or multiple classes. The four classifications of administrative withdrawals follow.

**Academic Withdrawal**

The Registrar may administratively withdraw or drop a student from a course or courses for academic reasons such as, but not limited to, the following: academic probation, extended academic probation, academic suspension, academic dismissal and unapproved credit overload. A student may also be removed from a course for which all prerequisites have not been satisfactorily completed. An academic drop or withdrawal will be processed according to the established drop and withdrawal deadlines. A grade of “W” will be assigned in the case of a withdrawal. The student’s GPA will not be affected.

**Disciplinary Withdrawal**

As a result of college judicial proceedings, a student may be suspended or dismissed from the college for disciplinary reasons. In such cases, regardless of the timing during a semester, the student is withdrawn from classes, earns no credits for the semester and is assigned a grade of “W” for each class. The student’s grade point average is not affected. The judicial process is under the jurisdiction of the Dean of Students. The student will forfeit all tuition and fees for the semester or term regardless of when the sanction is imposed. Students wishing to return to the College must apply for readmission.

**Emergency Withdrawal**

As a result of medical necessity or other emergency, a student may be withdrawn from a class or classes. Such requests are made through the Dean of Student Success and approved by the VPAA. Such withdrawals will only be granted based on appropriate medical documentation. Once approved by the VPAA, the student is withdrawn from all applicable classes and is assigned a grade of “W.” The student’s grade point average is not affected. Where appropriate and with an instructor’s permission, a student could receive a grade of “I” (incomplete) in one or more classes. For more information on incomplete grades, see Grading and Credit System in the Academic Policies and Procedures section.

**Excessive Absence Withdrawal**

Students are expected to prepare for and participate in all classes for which they are registered and to act in a manner consistent with the College’s values of respect and responsibility while attending classes. When the college determines that a student has unapproved excessive absences, the student may be withdrawn. Administrative
withdrawal could significantly impact a student’s financial aid, athletic eligibility, academic standing and progress towards degree.

The Registrar, in consultation with the VPAA, may administratively withdraw a student from all courses or from individual courses for unapproved excessive absences. A student is considered excessively absent when he or she has missed two consecutive weeks of class. Such students will have seven calendar days to respond to e-mail and written notification that their continuation at the college or in the course is in jeopardy. Students are responsible for maintaining an accurate mailing address with the College. Failure to respond within the seven-day period and to correct the behaviors to the satisfaction of the faculty member(s) involved will result in an administrative withdrawal. Students wishing to return to the College after being withdrawn from all courses must apply for readmission.

If the withdrawal for excessive absences is processed prior to the established semester/term deadline to withdraw from classes, a grade of “W” will be assigned. This grade will not affect the student’s grade point average. If the withdrawal is processed after the established deadline to withdraw from classes, a grade of “WP” or “WF” will be assigned. The grade of “WP” is not calculated into the GPA. However, the grade of “WF” is calculated into the GPA as a grade of “F.” The student will forfeit applicable academic credit, tuition, and fees for the semester or term regardless of when the withdrawal is posted.

AP Credit
Franklin College will accept credit for selected College Entrance Examination Board Advanced Placement exams (AP). Franklin College does not administer the AP test. However, students may receive credit by examination by providing an official record of examination results. Franklin College requires a minimum score of 4 on all AP exams: those exams requiring a score greater than 4 are noted in the following table. The following table includes the examinations, passing scores, hours of credit allowed, and Franklin College course equivalences.

<table>
<thead>
<tr>
<th>Advanced Placement Test</th>
<th>Passing Score</th>
<th>Credit Hours</th>
<th>Course Equivalence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>4</td>
<td>4</td>
<td>ART 116</td>
</tr>
<tr>
<td>Biology</td>
<td>4</td>
<td>4</td>
<td>BIO 114</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>4</td>
<td>4</td>
<td>MAT 135</td>
</tr>
<tr>
<td>Calculus BC (and AB subscore of 3 or higher)</td>
<td>3</td>
<td>4</td>
<td>MAT 135</td>
</tr>
<tr>
<td>Calculus BC (and AB subscore of 3 or higher)</td>
<td>4</td>
<td>9</td>
<td>MAT 135, MAT 140 &amp; MAT 142</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4</td>
<td>10</td>
<td>CHE 121, CHE 122, CHE 123 &amp; CHE 124</td>
</tr>
<tr>
<td>Comp. Government &amp; Politics</td>
<td>4</td>
<td>3</td>
<td>POL 355</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>4</td>
<td>3</td>
<td>CMP 141</td>
</tr>
<tr>
<td>Computer Science Principles</td>
<td>4</td>
<td>3</td>
<td>CMP 130</td>
</tr>
<tr>
<td>Economics: Macroeconomics</td>
<td>4</td>
<td>3</td>
<td>ECO 115 (or ECO XXX if only score 4 or higher on one of the two exams)</td>
</tr>
<tr>
<td>Economics: Microeconomics</td>
<td>4</td>
<td>4</td>
<td>LA 101</td>
</tr>
<tr>
<td>English Language/Composition</td>
<td>4</td>
<td>4</td>
<td>LA 201</td>
</tr>
<tr>
<td>English Literature/Composition</td>
<td>4</td>
<td>3</td>
<td>BIO XXX</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>4</td>
<td>3</td>
<td>HIS XXX (will satisfy one course in Category C of the History curriculum)</td>
</tr>
<tr>
<td>European History</td>
<td>4</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French (language &amp; literature)*</td>
<td>4</td>
<td>8</td>
<td>FRE 110 &amp; FRE 111</td>
</tr>
<tr>
<td>Course</td>
<td>Units</td>
<td>Credits</td>
<td>Notes</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------</td>
<td>---------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>German</td>
<td>4</td>
<td>8</td>
<td>LAN XXX &amp; LAN XXX (fulfills foreign language requirement)</td>
</tr>
<tr>
<td>Music Theory</td>
<td>4</td>
<td>3</td>
<td>MUS 110</td>
</tr>
<tr>
<td>Human Geography</td>
<td>4</td>
<td>3</td>
<td>GEO 220</td>
</tr>
<tr>
<td>Physics 1 &amp; 2</td>
<td>4</td>
<td>5 &amp; 5</td>
<td>PHY 201/203 &amp; PHY 202/204</td>
</tr>
<tr>
<td>Physics C Mech OR Electr/Magn</td>
<td>4</td>
<td>10</td>
<td>PHY 211/203 &amp; PHY 212/204</td>
</tr>
<tr>
<td>Psychology</td>
<td>4</td>
<td>4</td>
<td>PSY 117</td>
</tr>
<tr>
<td>Spanish*</td>
<td>4</td>
<td>8</td>
<td>SPA 110 &amp; SPA 111</td>
</tr>
<tr>
<td>Statistics</td>
<td>4</td>
<td>3</td>
<td>MAT 224</td>
</tr>
<tr>
<td>Drawing</td>
<td>4</td>
<td>3</td>
<td>ART 160</td>
</tr>
<tr>
<td>2-D Art and Design</td>
<td>4</td>
<td>3</td>
<td>ART 130</td>
</tr>
<tr>
<td>3-D Art and Design</td>
<td>4</td>
<td>3</td>
<td>ART XXX (fulfills Creative Arts exploratory)</td>
</tr>
<tr>
<td>U.S. Government &amp; Politics</td>
<td>4</td>
<td>4</td>
<td>POL 110</td>
</tr>
<tr>
<td>U.S. History</td>
<td>4</td>
<td>6</td>
<td>HIS 120 &amp; HIS 121</td>
</tr>
<tr>
<td>World History</td>
<td>4</td>
<td>4</td>
<td>HIS 205</td>
</tr>
</tbody>
</table>

*Franklin College will accept AP credit for advance placement in foreign language; however, students should be aware that they can also get advance placement by taking the College’s foreign language placement tests. Please note further clarification listed under Spanish and French Curricula.

Franklin College does not award credit for College Level Examination Program (CLEP) subject exams; however, CLEP exams may be taken to demonstrate proficiency in the foreign languages.

**Assessment**

College-wide assessment of college learning outcomes is an essential activity at Franklin College. Students will be required to participate in regular assessment at various points during their careers at Franklin College. Incoming first-year students will be tested upon entrance. Students wishing to register for their senior year may be required to show evidence of participation in specific assessment activities in order to register.

**Athletic Participation and Eligibility**

All student-athletes must be enrolled full-time during the semester(s) of their sports participation. Full-time is defined as 12 or more semester hours of credit (excluding ASC 080 or 085). Student-athletes should note that current NCAA Division III regulations require that a student-athlete make satisfactory progress toward a degree and be in good academic standing to be eligible for participation in intercollegiate athletics. To be in good academic standing, a student must not be on academic probation, nor be the present subject of disciplinary action which restricts participation in extracurricular activities.

Satisfactory progress is defined under “Satisfactory Progress Toward a Baccalaureate Degree” in this section of the course catalog. To help ensure the student-athlete is making satisfactory progress toward a degree, he/she must earn 80% of the credit hours attempted. A student-athlete who falls below this expectation will need to provide the Academic Records office with a plan showing ability to complete a degree within the time constraints listed under satisfactory progress.

**Attendance in Class**

Since many classes at Franklin College involve active participation through discussions, small group or laboratory work, attendance is expected. Each student shall maintain satisfactory attendance in all scheduled classes in accordance with the policy announced by individual classroom instructors. There is no campus-wide attendance policy, but poor class attendance almost always leads to class failure. If a student is absent from a class, it is his/her responsibility to contact the instructor and make satisfactory arrangements to complete material due or make up
work missed. For additional information regarding excessive absences, see the Administrative Withdrawal Policy in the Academic Policies and Procedures section.

Attendance at Commencement
Candidates for degrees are required to be present at commencement exercises in the prescribed academic attire. Exceptions to this rule will be made only in extreme cases and upon petition to the VPAA. Degree candidates must be in good academic standing to participate in commencement exercises.

Students who are within nine semester hours of completing the requirements for graduation may be included in the May commencement exercises. The student must petition the Academic Rules Committee to be listed in the commencement program. The petition must demonstrate proof as to how the remaining hours and requirements will be completed prior to August 31st. Diplomas will be presented only to those who have fully completed all requirements and have met all financial obligations to the college.

Auditing Courses
Students may audit up to two courses per semester. The fee per course, regardless of the number of credit hours, is $205. In all circumstances, auditing students will follow course established attendance policies. Auditing students are exempt from exams but are responsible for class assignments and projects. A grade of “AU” is given only for informational instruction obtained by attending the course. Students not satisfying course expectations may be given a grade of “U.” Student must elect to audit a course within the first week of classes and cannot take the course for credit thereafter. Although, students will not be awarded course credit for those courses they choose to audit, they will receive the same services as other students. Should the student not attend the course, the instructor may administratively withdraw the student from the audited course.

Class Level
A student’s class level is determined by the total number of credit hours successfully completed:

- Freshman 0 - 26 credit hours completed
- Sophomore 27 - 57 credit hours completed
- Junior 58 - 90 credit hours completed
- Senior 91 and above credit hours completed

Class-Related Activities
An instructor of a class may not require a student to attend an on-campus or off-campus activity that would result in the student missing one or more of her or his regularly scheduled classes. However, instructors are encouraged to be as flexible as possible about allowing a student to miss their class for activities scheduled in another course in order to significantly benefit the student.

College-Sponsored Activities
Wherever possible, college-sponsored activities (e.g., intercollegiate athletic competitions, music ensemble performances, etc.) that might conflict with classes should be scheduled before the beginning of the semester, and faculty should be informed of these schedules. In planning these schedules, coaches and directors of college-sponsored activities should avoid class conflicts wherever possible. Students who are participating in these activities are further obligated to inform their instructors of anticipated work missed. The professor, after conferring with the student, will make a reasonable effort to determine an appropriate plan for the student to make up the missed work, which may include completing alternative assignments.

Consortium for Urban Education (CUE)
During the fall or spring semester a student may want/need to take a class at one of the consortium schools with which Franklin College is affiliated (list is available in the Academic Records Office). A student may enroll in only one CUE course during a given semester. These courses are limited in seating and need to be requested well in advance. (CUE requests are not processed at the hosting schools until their students have completed registration.) Member
schools of the consortium require a student to enroll through their home school (Franklin College) and pay all tuition and fees through the student’s home school. Any other fees and books for the CUE courses are the responsibility of the student. The student will not receive a transcript from the host institution; instead the grade is sent to the Academic Records Office at Franklin College to be recorded on the Franklin College transcript and is entered as a grade; however, the student’s GPA is not impacted since the course was taken off campus. All questions should be directed to the Assistant Registrar in the Academic Records Office.

Convocation Programs
A convocation program, which is organized around an annual theme, provides regularly-scheduled opportunities for students and faculty to attend special events of significant cultural value that add variety to the educational experience at the college. Instructors are encouraged to require attendance at convocation programs as course assignments.

Co-op Semester
Students wishing an alternative to the normal, eight-semester program of study may apply for the cooperative semester program. Qualified students are placed in full-time, semester-long employment positions in a variety of fields, including accounting, business, computer science, and journalism. The program provides an excellent opportunity to gain practical experience and employment contacts with a minimal interruption in academic work.

The co-op semester is transcribed as “Franklin College Cooperative Semester in (field).” A minimal registration fee of $100 is charged instead of tuition. No credits are earned through this program, nor are grades given. A minimum cumulative grade point average of 3.00 (A=4.00) and junior class standing are required to register. Applications are available from the Director of Career Services. A resume and recommendations from previous internship supervisors and/or employers are required as part of the application. Applications will be reviewed by the Director of Career Services, the Registrar, and the chairperson of the student’s major department. Students may wish to discuss with academic departments the possibility of practicum credit for specific work done during the semester. Students need not apply for readmission to Franklin College upon completion of the cooperative semester. An appointment with the Director of Career Services is required for assistance in securing contacts and completing requirements for co-op registration.

Course Load
The normal course load is 12-19 hours per semester. To carry a load in excess of 19 hours for freshmen and sophomores or 21 hours for juniors and seniors requires special approval of the academic advisor and the academic rules committee. There is an additional fee for each semester hour in excess of 20. A student may not audit more than two courses per academic term.

The maximum course load during a summer session is two courses per summer session. Students must obtain the approval of the academic advisor and the academic rules committee to enroll in more than two courses per summer session. The maximum course load during immersive term is one course or one internship.

Course Numbering
The course numbering system is designed as an aid to students and academic advisors. The year in which a student should enroll in a course, and the way in which a course fits into the Franklin College curriculum, is described by the course number.

The year in which a course should be taken is traditionally described by the first digit in a course number:

- 000 - 050 Activity courses (any year)
- 051 - 099 Developmental courses
- 100 - 199 Freshman
- 200 - 299 Sophomore, or qualified freshman, unless otherwise indicated
Courses numbered 051 - 099 are classified by the faculty as developmental courses, credit for which applies to financial aid, housing, athletic eligibility, and other such purposes unless otherwise specified, but does not apply toward graduation requirements.

Credit Hour Definition
In accordance with federal regulations, Franklin College defines one credit hour as “an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is”

1. Not less than one hour (50 minutes) of classroom or direct faculty instruction and a minimum of two hours out of class student work each week for fourteen instructional weeks (15 calendar weeks with breaks) for one semester hour of credit.

2. At least an equivalent amount of work as required in # 1 above for other academic activities including laboratory work, internships, practica, service learning courses, undergraduate research, studio work, individualized studies, and other academic work leading to the awarding of credit hours. A valid internship will include a minimum of 30 hours' work at the job site for each credit hour awarded or, if teacher education, 20 full days at a school site for a 4-credit hour internship (a standard internship load).

Faculty supervising practica, service learning courses, undergraduate research, studio work, individualized studies, and other academic work leading to the awarding of credit must report scheduled meeting times to the Academic Records Office for record keeping and verification purposes.

The Director of Career Development and appropriate faculty members will work with internship supervisors to monitor student hours at internship sites. Verification of student hours will be reported on a final supervisor evaluation.

The Academic Records Office and the Academic Advisory Council will be responsible for monitoring credit hour accuracy for each standard semester or non-standard term.

Credit Hours for Engaged Learning
For learning that takes place in ways other than a formal lecture/seminar course (e.g. performance, research, internships, community based work and learning), credit hours will be assigned on the basis of at least 3 hours of work per week, for the duration of a 14-15 week semester, for 1 credit hour. It is expected that these hours will include some organized contact with an instructor to discuss/report on/enhance the experience. This contact need not occur during regular class times and may occur on a one-on-one basis, or as a group. The nature of the contact with the instructor should be outlined in the course syllabus.

Experiential courses may include a mix of the traditional lecture (with 2 associated preparatory hours) and added experiential work. To further clarify, we have provided some representative examples. These are not exclusive but are meant to illustrate how this formula might be appropriately applied.

Undergraduate Research
Students conduct research with a faculty member including work in a laboratory, library, or other research setting during a semester. Credit hours will be assigned on the basis of at least 3 hours of work per week, for the duration of a 14-15 week semester for 1 credit hour. Students are expected to meet with their research advisor on a
regular basis to discuss project results and plan future experiments, research, or presentations.

**Civic Engagement**
Community service that is connected with a class or course of study would also be eligible for credit under the auspices of experiential learning. For example, if students enrolled in a course on sustainability spend 1 full-time week during spring break working for Habitat for Humanity (ca. 40-45 hours), this may be the equivalent of 1 credit hour of the course requirements. Alternatively, students may be engaged in community-based work for three hours per week over the semester for 1 credit hour. Community work must be linked to the course’s academic content. Organized instructor contact/reporting is required. The mechanism for instructor contact/reporting should be outlined in the course syllabus.

**Travel Courses**
Instruction and student work for the purposes of credit hour computation in travel seminars includes the following types of activities that advance the learning objectives of the course:

- Course meetings before, during, and after the dates of travel
- Time to read/view assigned texts
- Lectures (from the course instructor, guest lecturers, faculty/staff/students at partner institutions, guides, local residents, etc.)
- Discussion meetings (with course instructors, guest lecturers, faculty/staff/students at partner institutions, guides, local residents, peers, etc.)
- Museum, clinical, business, governmental, or other site visits
- Organized cultural excursions and performances
- Service learning projects
- Student presentations
- Synthesis/processing/reflection time (may be used for writing, discussion, or production of creative work which may take many forms including but not limited to journals, formal papers, blogs, art, music, etc.)

For example, a 3-credit course should require the equivalent of 9 hours of combined direct instruction and student work per week for the equivalent of a 14-week semester. Given that the “course hour” is 50 minutes, this would be a baseline of 105 total hours for the course.

**Internships**
Internships are hands-on experiences designed to provide the student with pre-professional work projects under the guidance of a practicing professional supervisor. Each internship can be between three and twelve credit hours; however, typical internships carry four hours of credit, are graded on a satisfactory/unsatisfactory basis, and require approval of the director of career development and the student’s faculty advisor or, if teacher education related, the director of teacher education. A valid four credit hour internship will include a minimum of 120 hours’ work at the job site or, if teacher education, 20 full days at a school site. Other requirements may be included by the Franklin College supervisor in conjunction with the internship site supervisor. Internships may be taken during the immersive term, where they also count as immersive term credit. Internships may also be taken during fall, spring, and summer sessions with permission from the director of career development or appropriate faculty internship supervisor.

**Dean’s List**
The Dean’s List is a published announcement of high academic achievement for the fall and spring semesters. To be eligible for this honor, a student must complete **12 or more regular-graded** credit hours for the semester (courses taken on a pass/fail basis are not included in the 12 hours) and achieve a semester grade point average of
3.5000 to 3.9999 (A=4.00). Students who achieve a semester grade point average of 4.00 (A=4.00) will be placed on the President’s List (see President’s List in this section of the catalog).

**Degree Applications and Audits**

An application for degree must be filed with the Academic Records Office before the student is considered for graduation. The application should be filed at the beginning of the spring semester (Feb. 21st) prior to the following December, or January, May, or August of the next calendar year graduation date. At the time the student applies to graduate, the Academic Records Office will audit the student’s academic progress. The student is responsible for updating the audit once it has been emailed. Audits will be emailed to students’ Franklin College email address. Audits conducted prior to this first official audit are expected to be completed by the student and his/her academic advisor.

**Federal Family Educational Rights & Privacy Act (FERPA)**

The 1974 Federal Family Education Rights and Privacy Act was designated to protect the privacy of educational records, to establish the rights of students to inspect and review their educational records, to provide students some control over the disclosure of information from their records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act office concerning alleged failures by the institution to comply with the Act.

A summary of Franklin College’s statement of compliance with FERPA (or the Buckley Amendment), a copy of the amendment, and the full statement of compliance are available in the Academic Records Office for your review. The offices and departments at the college which collect and maintain academic, financial, academic advising, personal counseling, disciplinary, placement, and other information about students shall adhere to the following policy regarding the release of such information. For students wishing to review their educational records, a Student Request to Inspect Educational Records form must be completed in the Academic Records Office. Information will then be accessible to the student for review within 30 working days from receipt of the written request. At its discretion, the college may disclose directory information in response to inquiries about individual students.

Items considered directory information include:

1. Name, local address, local phone number, photo and campus e-mail address
2. Date and place of birth
3. Home (permanent) address
4. Confirmation of current enrollment (or admittance) including class level and major
5. Dates of attendance
6. Full or part-time status
7. Awards and honors received, including Dean’s and President’s list, degrees conferred and dates
8. Previous institutions attended
9. Past and present participation in officially recognized college activities, including athletics
10. Physical and performance statistics of members of athletic teams

Students may, if they desire, request that certain or all directory information not be released except upon their written consent. To make such a request a student must complete a Request to Prevent Disclosures of Directory Information form in the Academic Records Office by June 15th of the prior academic year. (New students are notified of this policy upon admittance.) Please consider very carefully the consequences of any decision by you to withhold any “Directory Information.” Should you decide to inform the institution not to release any or all of the “Directory Information,” any future request for such information from non-institutional persons or organizations will be refused. This request is void upon a student’s departure from the college.
The institution will honor requests to withhold any “Directory Information.” However, Franklin College does not assume responsibility to contact you for subsequent permission to release this information. Regardless of the effect upon you, the institution assumes no liability for honoring your instructions that such information be withheld.

All other information about students is restricted information. Non-directory or restricted information may be released to parents and/or guardians of students defined as dependent by the Internal Revenue Service or to parents of those students who have self-identified as dependent. For all other purposes, written consent of the student must be obtained before the release of restricted information to any person, office, or agency without a legitimate educational interest.

A school official is one of the following: a person employed by Franklin College in an administrative, supervisory, academic, research or support staff position; a person serving on an institutional governing body; a person or agency employed by (or under contract to) Franklin College to perform a special task, such as an attorney or auditor; or a student serving on a committee or assisting another school official in fulfilling his or her professional responsibilities. A school official is determined to have a legitimate educational interest if the information requested is necessary for that official to: perform appropriate tasks that are specified in his/her position description or by a contract agreement; perform a task related to a student’s education; perform a task related to the discipline of a student; or provide a service or benefit relating to the student or student’s family, such as health care, counseling, job placement or financial aid. Access to this information does not constitute authorization to share this information with a third party.

Please do not hesitate to contact the Academic Records Office with any questions you may have or to clarify details of this federal law.

Final Exam Information
The VPAA has developed the following clarifications regarding the issues of class activities prior to exams and students scheduled with more than two final exams on a single exam day:

There are no restrictions on any class activities during the two weeks prior to final exam week. Each faculty member’s charge during that period is the same as it is for the rest of the semester, to make appropriate use of the instructional time made available to the students.

As always, faculty are expected to meet each class during final exam week and have the students engage in substantive work for a substantial portion of the two-hour period assigned to the class. Adjustments to scheduled exam times or places must be approved in advance by the VPAA.

Students who are scheduled to take three exams in one day may seek relief. If a student is seeking relief, s/he should notify each of the three instructors of the conflict by presenting, in writing, a listing of the conflict along with a listing of the three instructors who are involved. If one of the instructors is willing to re-schedule the exam, the problem is solved. If it is not settled in this manner, the VPAA should be notified and the faculty will be convened to discuss a solution. Students seeking relief do not have the right to stipulate when an exam will be rescheduled.

There is no expectation that instructors will provide a review day for any test or final exam. Many classes will have a test during the last week of classes over the material most recently covered, particularly when the final exam is cumulative in nature.

Questions regarding these matters should be directed to the VPAA.
Foreign Language Requirement
Students who upon matriculation do not demonstrate proficiency equivalent to satisfactory completion of a Franklin College foreign language course numbered 111 or higher or the equivalent at another institution must complete such a course prior to graduation.

Students who completed secondary education in a primary language of instruction other than English may petition the Academic Rules Committee to have the foreign language requirement waived. An official letter from the secondary education institution documenting the language of instruction is required. Requests must be made by students before they commence their sophomore year. Further, no college course or proficiency credit will be awarded for that language.

Grading and Credit System
A semester hour of credit is the equivalent of one recitation a week throughout a semester. As a rule, one hour of credit is gained for two to three hours of laboratory or studio work.

The college employs the following grading system, based on a 4.00 grading scale:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Description</th>
<th>Point Value per Credit Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Exceptional, excellent in all respects</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td></td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td></td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td></td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>Satisfactory</td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td></td>
<td>1.67</td>
</tr>
<tr>
<td>D+</td>
<td>Passing, but unsatisfactory in some important respects</td>
<td>1.33</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td></td>
<td>0.67</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0.00</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete (1)</td>
<td>-</td>
</tr>
<tr>
<td>NG</td>
<td>No grade reported (2)</td>
<td>-</td>
</tr>
<tr>
<td>AU</td>
<td>Audit (3)</td>
<td>-</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory (4)</td>
<td>-</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory (4)</td>
<td>-</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal (5)</td>
<td>-</td>
</tr>
<tr>
<td>WF</td>
<td>Withdrawal Failing (6)</td>
<td>0.00</td>
</tr>
<tr>
<td>WP</td>
<td>Withdrawal Passing (6)</td>
<td>-</td>
</tr>
<tr>
<td>CR</td>
<td>Advanced placement &amp; departmental credit (7)</td>
<td>-</td>
</tr>
<tr>
<td>[ ]</td>
<td>Repeated Course (8)</td>
<td>-</td>
</tr>
<tr>
<td>TR</td>
<td>Transfer Credit</td>
<td>-</td>
</tr>
<tr>
<td>*</td>
<td>Non-degree Applicable Credit (9)</td>
<td>-</td>
</tr>
</tbody>
</table>

Grading Reference
(1) I (incomplete) indicates there is still a possibility for credit after further work. It is used by the classroom instructor when a definite grade cannot be given because of a student’s illness or because of some justifiable delay in the completion of the work. The student initiates the process by filling out a petition to be granted an incomplete grade; these forms are available in the Academic Records Office. The course instructor then approves the written appeal after having reviewed the circumstances, and indicates in writing how the incomplete may be resolved, and
establishes, in consultation with the student, a definite but reasonable completion date for all course work, usually as early as possible. The Academic Rules Committee must then approve all requests and may modify the due date after discussing the matter with the appropriate faculty member. When an incomplete grade is granted, it is the student’s responsibility to consult with the instructor involved and to determine exactly the instructor’s expectations regarding the fulfillment of the course work. The grade of “I” is not calculated into the grade point average. The “I” changes to an “F” if the work is not satisfactorily completed by the specified time, or no later than six weeks after the beginning of the next semester.

(2) NG (no grade) is used for reporting mid-semester grades for practica, seminars, and individual studies, or may be used administratively by the Academic Records Office. The NG may also be assigned to labs with no separate credit awarded.

(3) AU (audit) grade is given only for informational instruction obtained by attending the course. The student must elect to audit a course within the first week of classes and cannot take the course for credit thereafter. Students will not be awarded course credit for those courses they choose to audit. Should the student not attend the course, the instructor may administratively withdraw the student from the audited course. Students may only audit two courses during a given semester.

(4) S and U grades are used in pass-fail courses and in activity courses. The S grade indicates satisfactory work and implies the grade is in the A through C- range. Neither the S nor U contributes to or detracts from the grade point average.

A course may be taken on a pass-fail basis provided:
   a. it is not a graduation requirement,
   b. it is not a course used to satisfy the requirements of the student’s major, related field or minor,
   c. the student has completed all requirements for the major before taking a pass/fail course in the major department,
   d. the student has achieved junior class standing,
   e. it is not an education course,
   f. the student has filed a pass-fail form in the Academic Records Office within the first week of class.

(5) W (withdrawal) grade: See Add/Drop and Schedule Adjustment Procedures in this section of the catalog. A grade of “W” is not calculated into the grade point average.

(6) In the event of a withdrawal from the college after the ninth week of classes, the student will receive either a “WP” or a “WF” based on the grade earned up to the time of withdrawal. A grade of “WP” is not calculated into the grade point average. A grade of “WF” is calculated into the grade point average as an “F.”

(7) The CR is used to denote credit awarded to a student according to performance upon certain nationally standardized examinations or departmental examinations. Credit hours are awarded and course equivalences determined; however, the placement does not affect the grade point average.

(8) Many courses may be repeated. If a student completes the course with a grade of C- or better, the department chair and the Registrar must approve the repeat. The earlier grade will not be purged from the record; however, the student will be given the benefit of the later grade for grade point average purposes in the semester when the course is repeated. The two grades will not be averaged for grade point average purposes; the latter grade will prevail. If the earlier grade is a D- or better, thus earning the student credit for the course, the student may not earn additional credit upon repeating the course. Courses taken off campus will not replace the original grade in the GPA calculations.

(9) Grades followed by an * earn a student credit for financial aid and housing for a particular semester or term. The credit does not apply to the 120 semester hours required for a degree.

Grading Changes and Challenges
A grade change may be made only by the faculty member who conducted the original evaluation of the student or by the VPAA if the faculty member is unavailable. A grade change is the alteration of a final grade, once the official and clerically accurate recording of such a grade has been accomplished in the Academic Records Office. Grade changes for clerical reasons will be processed by the faculty member and the Academic Records Office. After a grade change has been made, notification will be sent to the student with a copy to the advisor. [Note: Any grade changes
a student feels needs to be made must be initiated with his or her professor according to the grade challenge procedure.]

**Grade Challenges**
A grade challenge may be initiated by any student who believes that he or she has been evaluated inaccurately or with undue prejudice in the determination of the final grade in a course. This is a serious charge and the student must bear in mind that the faculty member has both the right and the responsibility to render a fair and critical judgment regarding the scholarly quality of the academic work performed.

**Grade Challenge Procedure**
1. A grade challenge may be initiated in writing by the student to the VPAA within 30 calendar days following the on-line posting of the final grade in a course by the Academic Records Office and only after personal consultation with a faculty member involved.
2. The VPAA will consult with both parties together or separately in an effort to resolve the problem.
3. Should the resolution be unsatisfactory to the student or faculty member, either party may submit a written appeal to the Academic Appeals Committee of the faculty within 10 calendar days of the decision of the VPAA.
4. After meeting with the faculty member, the student and VPAA, the Academic Appeals Committee will rule on the case. The student and faculty member have the right to be accompanied in these hearings by an advisor of their own choosing from within the faculty, staff or student body of Franklin College.

**Graduation Honors**
For students who have completed at least 90 semester hours of work in residence:
- **Cum Laude**
  A student whose Franklin record reflects a cumulative grade point average of 3.50 (A=4.00) or higher may receive the bachelor’s degree cum laude.
- **Magna Cum Laude**
  A student whose Franklin record reflects a cumulative grade point average 3.75 (A=4.00) or higher may receive the bachelor’s degree magna cum laude.
- **Summa Cum Laude**
  A student whose Franklin record reflects a cumulative grade point average of 3.90 (A=4.00) or higher may receive the bachelor’s degree summa cum laude.

Transfer students who complete at least 60 but less than 90 semester hours at Franklin College shall be eligible for the graduation honors of cum laude, magna cum laude, and summa cum laude subject to the following provisions:
1. Cumulative study completed at a prior college or university must reflect a 3.5 (A=4.00) cumulative grade point average.
2. The honors grade point average will be based solely upon grades earned at Franklin College.

**Independent Study Courses**
Most of Franklin College’s academic departments offer independent study learning experiences in which students receive a grade and academic credit for pursuing an individual research and/or reading project in the department’s particular discipline. Normally, the subject is not sufficiently or appropriately covered in departmental course offerings. Upper-division credit in the department is a normal prerequisite.

The courses are designed to encourage student initiative and to provide a degree of flexibility in the departmental program. **It is not intended that such a course be used to relieve schedule conflicts which have resulted from failure to take required courses in proper sequence.**
Independent studies may not replace catalog courses in fulfilling specific degree requirements except by permission of the department whose major is involved in any particular case and by permission of the academic rules committee. Permission must be secured before the individualized study begins.

Requirements of independent studies are defined by the individual faculty member and the student, with the implication of faculty supervision and regular consultation. The student must complete a form, available from the Academic Records Office, defining the independent study. The form must be signed by the student, the student’s independent study professors, the student’s advisor, and the chair of the department granting credit for the independent study. Independent studies with the immersive term designation must also be approved by the academic rules committee.

Independent studies may be taken for one or two semester hours of credit. Students wishing to enroll in more than two semester hours of credit must petition the department chair and the academic rules committee. Every credit given will represent approximately 30 to 40 hours of student work on the project.

**Individualized Major**
An individualized major offers highly motivated and self-directed students an opportunity to develop a program of study tailored to meet their special talents, academic interests, and career goals. An individualized major is designed for a student who is able to document the absence of an existing major that satisfactorily meets his/her specific educational and professional objectives. A student may design an individualized major for a first or second major. However, those seeking a second major via this process may not duplicate any courses with his/her first major.

Individualized Majors are designed by students in conjunction with their academic advisor and at least two other faculty sponsors, one of whom must be the chair of the sponsoring department. Two of the three members of this Individualized Major (IM) Committee should reflect the student’s educational objectives and career interests. An academic department must also sponsor the proposal. See “Individualized Major” in the academic majors sections of the catalog.

**Individualized Minor**
Franklin College students may apply to create an individualized minor that develops their special talents and interests. Such a minor can include regular catalog courses, immersive term courses and experiences, off-campus courses, individualized studies, special topics courses, practica, and internships (LA courses taken to satisfy an LA requirement cannot be counted). A minimum of 15 credit hours is required with no more than 12 hours taken as independent studies courses. A maximum of four credit hours may overlap between the student’s major course requirements and those proposed for the individualized minor. Examples of possible individualized minors include: women’s studies, medical ethics, African American studies, East Asian studies, Latino studies.

Students with an interest in an individualized minor must have achieved a minimum GPA of 2.00 (A=4.00). They must submit a proposal, which has the support of a faculty sponsor. Detailed information on these requirements and an application may be obtained from the Academic Records Office. Final approval must come from the academic rules committee.

**International Baccalaureate (IB) Examination Credit**
The International Baccalaureate (IB) is an advanced international educational programme for high school students. Franklin College recognizes credit from the International Baccalaureate academic programme and encourages students to submit IB exam scores to the Academic Records Office for evaluation

Course credit may be granted for IB credit meeting **both** of the following guidelines.
- IB credits taken in the Diploma Programme
b. IB credits granted for the Higher Level (HL) Examination with scores of 5, 6, or 7*.

*Philosophy and Psychology credit for either Subsidiary Level (SL) or HL Examinations.

For more information on the IB, visit their website at www.ibo.org. For more information on Franklin College’s IB policy, contact the Registrar, at 317-738-8018.

The following table includes the IB courses, passing scores, hours of credit allowed, and Franklin College course equivalences.

<table>
<thead>
<tr>
<th>IB Subject</th>
<th>Score</th>
<th>Course(s)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology (HL)</td>
<td>5, 6 or 7</td>
<td>BIO 134/BIO 140</td>
<td>4/4 (total of 8 hours)</td>
</tr>
<tr>
<td>Chemistry (HL)</td>
<td>5, 6 or 7</td>
<td>CHE 112</td>
<td>4</td>
</tr>
<tr>
<td>Computer Science (HL)</td>
<td>5, 6 or 7</td>
<td>CMP 130</td>
<td>3</td>
</tr>
<tr>
<td>Economics (HL)</td>
<td>5, 6 or 7</td>
<td>ECO 115</td>
<td>3</td>
</tr>
<tr>
<td>English A1 (HL)</td>
<td>5, 6 or 7</td>
<td>ENG XXX</td>
<td>3 undistributed credits</td>
</tr>
<tr>
<td>English A2 (HL)</td>
<td>5, 6 or 7</td>
<td>ENG XXX</td>
<td>3 undistributed credits</td>
</tr>
<tr>
<td>French (HL)</td>
<td>5</td>
<td>FRE 210</td>
<td>4</td>
</tr>
<tr>
<td>French (HL)</td>
<td>6</td>
<td>FRE 211</td>
<td>4</td>
</tr>
<tr>
<td>French (HL)</td>
<td>7</td>
<td>FRE XXX (300-level)</td>
<td>4</td>
</tr>
</tbody>
</table>

In order to earn credit for FRE 110 and 111, student must take FRE 211 at FC and earn a C- or better.

In order to earn credit for FRE 110, 111, and 210, student must take FRE 300-level at FC and earn a C- or better.

In order to earn credit for FRE 111, 210, and 211, student must take a FRE 300-level course at FC earning a C- or better.

Mathematics (HL) | 5, 6 or 7 | MAT 135 | 4 |
| Philosophy      | 5, 6 or 7 | PHL 116 | 4 |
| Psychology      | 5, 6 or 7 | PSY 117 | 4 |
| Spanish (HL)    | 5        | SPA 210 | 4 |

In order to earn credit for SPA 110 and 111, student must take SPA 211 at FC and earn a C- or better.

In order to earn credit for SPA 110, 111, and 210, student must take SPA300-level at FC and earn a C- or better.

In order to earn credit for SPA 111, 210, and 211, student must take a SPA 300-level course at FC earning a C- or better.

Theatre (HL) | 5, 6 or 7 | THE 110/THE 125 | 3/3 (total of 6 hours) |

Internship Program
Internships are hands-on experiences designed to provide students with pre-professional work projects under the guidance of a practicing professional supervisor. Each internship can be between one and twelve credit hours, but typically carries four hours of credit, is graded on a satisfactory/unsatisfactory basis, and requires approval of the director of career development, the departmental faculty of record, and the student’s faculty advisor or, if teacher education related, the director of teacher education or, if in the area of exercise science, the internship supervisor in the department of exercise science. A valid four credit hour internship will include a minimum of 120 hours’ work at the job site or, if teacher education, 20 full days at a school site. Other requirements may be included by the supervisor in conjunction with the faculty of record and the director of career development. Internships may be taken during the immersive term, where they also count as immersive term credit. Internships may also be taken during fall, spring and summer sessions with permission from the director of career development or appropriate faculty internship supervisor. Students may not register for internships online. Students must meet with the director of career development to obtain an internship information form and add/drop forms must be signed by a faculty of record and must have approval of the faculty advisor.
SNT 489 internships may be completed during the spring of the junior year, the summer prior to the senior year during the senior year, or earlier when deemed appropriate by an academic department. These internships typically carry three to twelve hours of credit depending upon the nature of the experience, the hours involved, and the duration and must be directly related to a student’s major. SNT 489 internships or their departmental equivalents must be approved in advance by either the department or the student’s faculty advisor and, if applicable, the director of career development.

Students must plan ahead. Internships require time to arrange. For example, immersive term internships must be arranged early in the fall semester, and summer session internships must be arranged early in the spring semester. Interested students should contact the director of career development, the director of teacher education, or the intern supervisor in the department of exercise science as soon as possible. At the latest, arrangements must be completed by posted deadlines during registration of the semester prior to the desired internship. The college cannot guarantee that a suitable internship can be arranged for all students. The internship program is an experiential education opportunity. It is primarily the responsibility of the student, with the help of the internship director and appropriate faculty members, to establish and plan an internship with a company or organization. Invaluable experience and future employment contacts may be derived from the internship program and all students are encouraged to participate. Students should have sophomore, junior, or senior class standing to be eligible for the internship program.

Students must register for immersive term internships by the final class day of the fall semester. The internship information form, the agreement between the student, the internship site, and the faculty of record, must be submitted to the Career Development Office by the last day of finals of the fall semester. Those not submitting the internship application prior to the end of the first day of immersive term may be administratively dropped from the internship.

The Franklin College internship program is designed to provide students two lasting experiences: hands-on work in their major field and the personal experience of conducting a successfully guided mini-job search prior to graduation. Academic departments strongly encourage students to experience as many internships as possible during their college careers. Students may complete up to sixteen hours of internship credit which count towards graduation.

Internships or field experiences which are completed off-campus are required in all majors. Please note there is a sliding grade point average prerequisite to be eligible to register. At the time of application, students must meet the following grade point average requirements (see department of education for education requirements):

<table>
<thead>
<tr>
<th>Class</th>
<th>Grade Point Average Overall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomores</td>
<td>2.50</td>
</tr>
<tr>
<td>Juniors</td>
<td>2.25</td>
</tr>
<tr>
<td>Seniors</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Higher grade point averages in a student’s major field will not be accepted in place of the overall grade point average.

**Midterm Grades**

Midterm grades are issued to students after the midpoint of the semester and are not recorded on a student’s transcript. These grades are intended to serve only as advisory reports on academic progress. Midterm grades are only reported during the fall and spring semesters.
Modern Language Placement Tests
Franklin College offers modern language placement tests for French, German, and Spanish. See the French and Spanish curricula in this catalog for detailed information on how to receive credits for courses relating to the placement exam. All students who have taken coursework in French, German, or Spanish are required to take the appropriate modern language placement test or sign the foreign language placement test waiver upon admittance to the college. Those with experience in other foreign languages should take an assessment off campus and send the results to the Academic Records Office. College Level Examination Program (CLEP) subject exams may be taken to demonstrate proficiency in a particular foreign language.

Non-traditional Credit
Franklin College may award a maximum of 16 credit hours for documented nontraditional training or courses. Academic credit may be awarded for successful completion of non-collegiate courses or training programs which are recommended for credit by the American Council on Education as reported in either The Directory of the National Program on Non-Collegiate-sponsored Instruction (College Credit Recommendations) or The National Guide to Educational Credit for Training Programs.

Off-Campus Courses
All requests from matriculated students to take courses off campus must be approved by the advisor, the chair of the instructional department, and the Assistant Registrar. If such credit is to be used to meet teacher licensure requirements, the teacher licensure officer must also give approval. The off-campus course request form is available in the Academic Records Office.

Workshops will not ordinarily be accepted for credit. Correspondence study through a regionally accredited institution may be accepted, but must have prior approval by the advisor, the instructional departments affected, and by the Associate Registrar.

Before submitting the form to the Academic Records Office for final approval, the student should consult with his/her advisor and attach the necessary course description to the request form. Courses transferred from another institution will not impact the student’s GPA.

Students taking courses during the fall, spring, or summer terms as a guest student at another institution are responsible for all arrangements and registration activities at the hosting institution. All tuition, fees, and books are the student’s responsibility. At the completion of the course, the student needs to request that an official transcript be sent to the Franklin College Academic Records Office for processing transfer credit.

Petitions
Occasionally circumstances occur when a student needs a change or a waiver of a college requirement. That student can submit a petition requesting that change or waiver to the Academic Rules Committee for review. Changes to departmental requirements must be approved by the faculty in the department. All changes or substitutions must be communicated to the Academic Records Office.

Practica
Practica are learning experiences in which students receive a grade and academic credit for using skills learned in the classroom in a practical context outside the classroom. Every credit given will represent approximately 30 to 40 hours of student work on the project. Many practica require the student to document the process of the application of these skills. Departments may define specific requirements of their respective practica with the implication of faculty supervision and regular consultation.
Pre-professional Programs
The faculty of Franklin College advise students who are interested in graduate or professional schools, such as dentistry, medicine, law, engineering, optometry, podiatry, medical technology, pharmacy, physical therapy, occupational therapy, physician’s assistant, and veterinary medicine, to learn the specific course requirements of the schools of interest to them. Professional schools do not require students to graduate with a specific major. They seek individuals who show competence in selected areas of knowledge, who can think analytically, and who can express themselves effectively. As one of the ways to aid students in achieving their professional goals, Franklin College has developed pre-professional programs that meet most of the general entrance requirements of the professional schools. These programs, however, are not majors, and students must complete the requirements for at least one of the college’s majors in order to graduate from Franklin College.

The college’s pre-law advisors, Professors Allison Fetter-Harrott and Randall Smith, should be consulted about best practices in preparation for law school. A student from any major, with the right skills and preparation, may attend law school. The college’s Academic Catalog provides the plan for students obtaining a pre-law designation. Students should contact a prelaw advisor early in their career at Franklin College to ensure they are following the proper course requirements.

The college’s pre-medical advisor maintains lists of recommended courses for students preparing for entrance to medical school or other health care related professional schools. This information can also be obtained from the College Health Professions Program web page on the college’s website. Since the specific admission requirements of schools of medicine, optometry, veterinary medicine, dentistry, and pharmacy differ, students should consult with the appropriate pre-professional advisor during their first year to ensure they are enrolled in the proper courses.

The college’s pre-engineering advisor, Dr. John Boardman, maintains five year plans for Franklin’s cooperative “3+2” program with the Purdue University School of Engineering and Technology at Indiana University-Purdue University Indianapolis (IUPUI). Students in this program earn a B.A. degree from Franklin College in Applied Mathematics and a B.S. degree from Purdue University in one of three engineering fields, typically in the span of five years. The engineering degrees available through this program are: Computer Engineering, Electrical Engineering, and Mechanical Engineering. Students should consult with the pre-engineering advisor during their first year to ensure they are enrolled in the proper courses. See the engineering section of this catalog for further details.

Prerequisites
All prerequisite courses must be completed with a grade of C- or better unless otherwise noted in the course description.

President’s List
The President’s List is a published announcement of high academic achievement for the fall and spring semester. To be eligible for this honor, a student must complete 12 or more regular-graded credit hours for the semester (courses taken on a pass/fail basis are not included in the 12 hours) and achieve a semester grade point average of 4.00 (A=4.00).

Readmission
All previously enrolled students who are interested in reapplying for admission to Franklin College must submit their application for readmission to the Franklin College Office of Admissions. Students seeking readmission need to print a PDF of the Readmit application from http://franklincollege.edu/wp-content/uploads/2018/08/PDF-readmit_application_0.pdf. The deadline for receipt of applications for readmission will be no later than one month prior to the beginning of classes for that semester or term.

1. Any Franklin College student who withdraws or does not continue consecutive semester enrollment must apply for readmission and be readmitted to the college in order to enroll in any classes.
2. Policies of the academic catalog:
   - If a student who has not been at the college for 1 (one) semester is granted readmission, the student can remain under his/her original academic catalog.
   - If a student who has not been at the college for 2 (two) or more semesters is granted readmission, the student will be under the academic catalog in current use.
3. If a student is readmitted after academic suspension, the student returns on academic probation and all the policies of the current academic catalog will apply automatically.
4. If a student is readmitted after being placed on academic probation, the student returns on academic probation and all the policies of the current academic catalog will apply automatically.
5. All students including those who attended another college(s) during their time away from Franklin College are required to submit all official college transcript(s), a statement outlining reason(s) for returning to the college, and a Transfer Student Recommendation Form(s) as part of the readmission process.
6. All students must submit a $200 enrollment deposit to the Office of Admission to confirm their intent to enroll. Students will not be permitted to register for courses until their enrollment deposit is received.

No previously enrolled student who has outstanding financial obligations to Franklin College will be readmitted until such obligations have been satisfied.

Registration
Students must formally register every term or semester they are in attendance. Course planning and scheduling for each semester and term are done in consultation with the student's academic advisor. All necessary financial arrangements must be made with the business office prior to official registration. Registration is held during a published, designated time one semester prior to the semester of attendance and no later than the day prior to the first day of classes. Note: The college reserves the right to administratively adjust any student’s schedule.

Satisfactory Progress toward a Baccalaureate Degree
Regularly enrolled full-time students are expected to follow a program of study which would lead to a baccalaureate degree within four to six years. Such students will be considered to be making satisfactory progress toward a baccalaureate degree. Students whose programs do not meet this goal will be expected to justify to the Registrar the need for a longer time period.

Students who are receiving financial assistance are reminded that financial aid packages are awarded on the assumptions of a student’s maintaining full-time status and completing a degree in no more than eight semesters for Franklin College and State of Indiana assistance and six years for federal assistance. A student should consult the Financial Aid office if he/she has questions about satisfactory progress for financial aid purposes.

Second Bachelor's Degree
An individual who holds a bachelor’s degree from another regionally accredited college or university (not Franklin College) and has participated to a significant degree in an academic program in the liberal arts and sciences may earn a bachelor of arts degree from Franklin College. Requirements are successfully completing a minimum of 48 semester hours of coursework at Franklin College which includes all major requirements. If the previous degree was awarded by Franklin College, the student cannot earn a second degree from Franklin College.

Senior Competency Practicum
Prior to graduation, each student must demonstrate that he or she has achieved competency in the outcomes specified by the department for the student’s major. The department may require that competency be demonstrated in any of the following ways:
1. A written examination given separately or as part of a course;
2. An oral examination given separately or as part of a course;
3. A standardized examination given separately or as part of a course;
4. A capstone project completed independently or as part of a course.
5. Successful completion of a senior seminar or other capstone course within the major. The student must receive a passing grade on the exam or project or in the course of which either is a part in order to graduate.

Senior Residence
The college grants degrees only to those who have completed a minimum 48 semester hours, usually the final 48 semester hours, at Franklin College or who have secured, in advance, permission of the VPAA to spend the year in a professional school. Those taking part of their final 48 semester hours off-campus must petition the Academic Rules Committee: students studying abroad do not need to petition. Students must enroll at Franklin College for at least one course during the semester immediately preceding degree completion. In special cases, exceptions may be made by petitioning the academic rules committee. Service members on active duty are subject to a different residence policy; consult the Veterans and Military Affairs, Services, and Policies topic later in this section for details.

Testing Out of Courses
There may be an occasion when a student believes past experience or knowledge would make attendance in a regular college course unnecessary. The student must obtain departmental approval and petition the Registrar for permission to attempt a departmental exam. No department is required to provide an exam for this purpose. If the department and Registrar grant permission, an appropriately-qualified faculty member, appointed by the chairperson, devises and schedules an exam. Faculty members designated by the chairperson will grade the test and assign a satisfactory or unsatisfactory grade.

These exams are offered on a department-by-department basis. They may not be taken for credit but a successful score may exempt a student from a requirement.

Transfer Policy (abbreviated)
Franklin College will consider undergraduate credits in transfer from all courses taken through a regionally accredited College or University (post-secondary institution) when it can be shown that each course considered has been satisfactorily completed with a grade of C- (1.67) or better and that the course was comparable in content, nature, and intensity of course(s) offered at Franklin College. Grades attained at another institution are not transferable and are not used in computation of the Grade Point Average (GPA) at the Franklin College. Students must complete a minimum of 48 credit hours at Franklin College. No more than 16 credit hours of non-traditional credit may be awarded. No more than 16 hours of armed forced credit may be awarded.

The Academic Records Office will evaluate all undergraduate, post-secondary school education presented from outside Franklin College. College transcripts, official test scores, signed military documentation, or the equivalent are evaluated after a student is admitted to Franklin.

Transfer courses eligible for transfer credit will be documented on the Evaluation of Transfer Credit form. A course may transfer as an equivalent, as undistributed credit within a department, or as general undistributed credit. Undistributed credits are those courses which are acceptable for transfer credit but have no Franklin College equivalent. These courses are indicated on the Evaluation using the notation “XXX”. When the evaluation is complete, the student receives, by mail or e-mail, a written confirmation of the evaluation detailing transfer credits received. Often times, the evaluation will ask for additional information from the student such as a course syllabus. Upon receipt of this information the evaluation will be reconsidered, updated accordingly, and re-sent to the student. No transfer of credit is official until approved by the Academic Records Office.

Please consult the Academic Records Office for a copy of the comprehensive Franklin College transfer policy.

In no case will transfer grades received from other institutions be included in the Franklin College grade point average.
Veterans and Military Affairs, Services, and Policies

The Academic Records Office houses official veterans/military files, certifies students for benefits, and updates academic progress with the VA. Please communicate all changes to academic plans to the Veterans Affairs Certification Officer in the Academic Records Office. Those wanting additional information should contact the Veterans Affairs Certification Officer in the Academic Records Office located on the first floor of Old Main.

Armed Forces Credit

Franklin College may award a maximum of 16 credit hours for armed forces credit. The most recent edition of the American Council on Education’s *Guide to Evaluation of Educational Experiences in the Armed Forces* recommends credit hour equivalencies. One semester hour of physical education credit may be awarded for every year of active military service, up to a maximum of two semester hours. Active military service must have been honorable and terms of service must be officially documented.

Military Withdrawal/Financial Reimbursement

If a student is deployed or transferred for military service during the semester or term, the student is responsible for contacting the academic advisor and Academic Records Office to determine the best course of action regarding the withdrawal from classes or the issuance of incomplete grades before leaving. The student may decide to withdraw from classes or file for an incomplete on an individual course basis. In the case of incomplete grades, individual faculty will be consulted to determine the feasibility of completing all coursework. Fees will be reversed if the student is deployed or transferred in the middle of the semester or term and is forced to withdraw from all classes.

Residence Policy for Active Duty Service members

Franklin College understands the unique situation that service members on active duty face when trying to complete their degree, and values the sacrifices that these service members must make. Active duty service members must complete a minimum of 32 semester hours at Franklin College to be eligible for a degree. Those hours are recommended, but not required, to be the final 32 semester hours. It is the responsibility of the service member to notify the Registrar if he/she is pursuing a Franklin College degree while completing his/her degree requirements elsewhere, and to ensure all degree requirements are met according to the catalog under which he/she entered.

Withdrawal from College

A student may withdraw from the college with grades of “W” through the ninth week of the semester. In the event of a withdrawal after the ninth week, the student will receive either a “WP” or a “WF” based on the grades earned up to the time of withdrawal. A grade of “WF” is calculated into the GPA as an “F.” No withdrawals will be permitted after the final examination period begins.

If the student withdraws or is suspended from the college before final examinations, as opposed to dropping or withdrawing from a course, the permanent record will note the date of withdrawal unless special permission to exclude course enrollment from the permanent record has been granted by both the Dean of Student Success and the VPAA for circumstances beyond the student’s control.

Before withdrawing from the college, a student must complete the appropriate withdrawal process through the Dean of Student Success, as well as secure clearance in the Business Office. Failure to do so may result in loss of possible refunds, as well as receiving grades for the semester rather than “WP”s or “WF”s. If a student is under the age of 18, it is the responsibility of the student to procure parental acknowledgment of the withdrawal.

To return to Franklin College after withdrawing, a student must submit an application for readmission, available online and in the Office of Admissions, which must be processed at least one month prior to the beginning of the term to which he/she seek readmission. Students absent from Franklin College for two consecutive academic
semesters will be held to degree requirements of the catalog in place upon return. Students who have outstanding financial obligations to Franklin College will not be readmitted until such obligations have been satisfied.

*Information about adjustments to tuition, board, fees and financial aid can be found in the Expenses and Financial Policies: Reduction of Fees section of this catalog.*
Cooperative Programs

Cooperative Program Costs and Financial Aid
Students should be aware that the cost of many of these cooperative programs frequently exceeds what is normally spent for a semester at Franklin College. These programs may change their fees each semester. Students will be responsible for the amount these programs charge in lieu of Franklin College charges for tuition, room, board, and activity fee. A limited amount of need-based financial aid may be available for those who wish to enroll in cooperative programs. Students are invited to apply for off-campus financial assistance through the Office of Financial Aid.

Accelerated Master of Public Health
Franklin College offers an accelerated Master of Public Health Program (AMPH) in the form of a 3 + 2 combined Bachelor of Arts (3 years) and Master of Public Health (2 years) degree with the IUPUI Richard M. Fairbanks School of Public Health. Upon successful completion of a minimum of 105 credit hours (in three years) of baccalaureate instruction at Franklin College and the core requirements of the Master of Public Health degree (in the 4th year) at IUPUI (15 credit hours), the student will be eligible to receive a baccalaureate degree from Franklin College. After completion of the required credits in the MPH program, the student will then be eligible to receive the MPH degree from IUPUI. For a complete list of requirements, refer to the section on Accelerated Master of Public Health and contact the AMPH faculty advisors: Jason Jimerson, Arbin Thapaliya, Allison Fetter-Harrott, and Kristin Flora.

Army Reserve Officer Training Corps (ROTC) Program
Franklin College students may participate in the Army Reserve Officer Training Corps (ROTC) at the Indiana University-Purdue University Indianapolis (IUPUI) campus. IUPUI, located in downtown Indianapolis, is approximately 35 minutes from the Franklin College campus.

Through a cooperative program called the Consortium for Urban Education, Franklin College students may pursue the Reserve Officer Training Corps (ROTC) program which leads to a commission in the U.S. Army, Army National Guard, or Army Reserves. Franklin College is a cross-enrolled school through the Army ROTC Program. All ROTC classes taken and passed with a C- or above are applied as general elective credits at Franklin College.

The leadership and management classes are open to men and women who are full-time students. Students may take the first two years of Army ROTC without a military obligation. The first two years are exploratory in nature and offer one to two hours of academic credit per semester. Students who want to continue through the program and receive a commission upon graduation apply for admission into the advanced program at the end of the second year of ROTC. Selection is competitive. Franklin College students who are eligible for scholarships can receive significant scholarship assistance through participating in this program. There are no restrictions on majors for students interested in ROTC. Students who do not continue with the ROTC program may still use credits as electives earned toward any major.

Phone: 317-274-2691. E-mail: armyrotc@iupui.edu
Website: http://www.iupui.edu/~armyrotc/
Students interested in participating should consult the Assistant Registrar in the Academic Records Office.

Engineering - Purdue University School of Engineering and Technology (IUPUI)
Franklin College maintains a cooperative “3+2” program with the Purdue University School of Engineering and Technology at Indiana University-Purdue University Indianapolis (IUPUI). Students in this program earn a B.A. degree from Franklin College in Applied Mathematics and a B.S. degree from Purdue University in one of three engineering fields, typically in the span of five years. The engineering degrees available through this program are: Computer Engineering (B.S.Cmp.E.), Electrical Engineering (B.S.E.E.), and Mechanical Engineering (B.S.M.E.).
Students pursuing an Engineering degree will declare a major in Applied Mathematics and follow that degree program as stated in the catalog.

Students following the 3+2 program will be required to make certain selections in their liberal arts core and for major courses currently listed as electives in order to satisfy the engineering requirements at IUPUI. See the engineering section of this catalog for further details.

**Medical Technology – Indiana University Health Methodist & Franciscan St. Francis Health Hospitals**

Franklin College has a combined degree program in medical technology conducted in cooperation with Indiana University Health Methodist Hospital and Franciscan St. Francis Health Hospital, both in Indianapolis, Indiana. After completion of three years of college work and fulfilling graduation requirements, students may receive a Bachelor of Arts degree upon completion of a 12-month course in medical technology. For a complete listing of requirements, refer to the section on medical technology and contact Professor Arbin Thapaliya.

**Professional School Degree Program**

Under conditions approved by the major department and the Registrar, Franklin College will award the BA degree to a student who completes all degree requirements and at least 100 hours in three years at Franklin College combined with the first year of work at a recognized school of law, dentistry, optometry, occupational therapy, physical therapy, pharmacy, veterinary medicine, or medicine. A student must complete the 100 semester hours with a cumulative grade point average of 2.00 (A=4.00). The student must complete graduation requirements and that portion of the major which will be consistent with the professional training and the combined degree. A petition to the Registrar must be submitted during the last semester at Franklin College.
Global Education Programs

Intercultural Honors Experience (IHE)
The Intercultural Honors Experience is a competitive program designed to help students build a solid intercultural foundation, introduce them to interdisciplinary learning, and provide them with opportunities and incentives to study abroad.

The core element of the program is completed in the spring: students take a seminar which focuses on a topic or issue of global interest. As part of this course, students present a research paper at a symposium open to the campus community and the public.

After completing all the elements of the program and receiving at least an 80% in the seminar, students are eligible to apply for scholarships that they can use to study abroad for a semester or a summer program. The amount each student receives will be based on the number of applicants, each student’s financial need, the cost of their program, and the quality and amount of planning put into their application. While the selection committee strives to help all students as much as possible, the amount of funding each student will receive cannot be guaranteed. It is strongly recommended that all students work with the Office of Global Education to find a study abroad program that is affordable.

Applicants will be evaluated based on an interview, their academic achievement in high school (for first-year students) and at Franklin College, their community involvement, extra-curricular activities, reference letters, and an exam. For more information on this and all international programs at Franklin College, please go to http://franklincollege.edu/academics/engaged-learning/global-education/intercultural-honors-experience-ihe-new/

<table>
<thead>
<tr>
<th>IHE 100 Intercultural Honors Experience Seminar</th>
<th>4 credit hours</th>
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<tbody>
<tr>
<td>Spring</td>
<td>International exploratory</td>
</tr>
<tr>
<td></td>
<td>Prereq: selection by committee</td>
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The course will serve to show students how the humanities, social sciences and natural sciences all contribute to an in-depth understanding of a major global issue or world region. Topics will vary depending on faculty interest and with approval of the Vice President of Academic Affairs. Students who successfully complete this course will receive credit for the international requirement.

Global Education Opportunities
Franklin College recognizes the value of carefully planned study abroad for students who are qualified and interested in such opportunities. A list of Franklin College’s preferred provider programs is below. More details on each program can be found at http://www.franklincollege.edu/academics/global-education/ or at the Office of Global Education.

Students must be in good standing at Franklin College to study away. The program must be approved in advance by the student’s major advisor. Upon return, students are expected to present evidence, via an official transcript, of satisfactory achievement (C- or above) in all courses presented for transfer credit. It is preferable for students to complete their final semester of study at Franklin College in order to ensure that courses are transferred in time for graduation.

Costs and Financial Aid
Students should be aware that the cost of studying abroad will vary. Semester study away students must travel overseas through a preferred provider program. Semester students will pay the program fee for tuition and accommodation charged by the partner program plus a $1000 Franklin College administration fee. Both the administration fee and the partner program costs will be billed to the student by Franklin College for semester programs. Summer study away students can travel abroad through an approved Franklin College program. Summer
students will pay all program fees directly to the overseas program. With the assistance of generous donors, Franklin College has established scholarships specifically for international travel. For additional information regarding specific scholarships available for international travel contact the Office of Global Education.

**Franklin College Preferred Provider**

ISEP Direct – Multiple Destinations
CIS-Multiple Destinations
The Curriculum

Majors and Minors
A student may earn the Bachelor of Arts degree upon completion of requirements in a program of liberal arts and a specialized field of study. Franklin College offers majors in a variety of traditional academic disciplines, as well as fields that uniquely blend the study of traditional liberal arts and sciences with pre-professional preparation.

Franklin College currently offers majors in the following fields:

Accounting  Elementary Education  Political Science
Art History  English  Psychology
Art Studio  Exercise Science  Public Relations
Biology  French  Religious Studies
Business  History  Sociology
Chemistry  Mathematics  Software Engineering
Computer Science  Multimedia Journalism  Spanish
Creative Writing  Music  Sports Communication
Data Science  Neuroscience  Theatre
Economics  Philosophy  Individualized Major

In addition, a student may complete an optional minor in the following fields:

Accounting  English  Political Science
American Studies  Environmental Science  Professional Writing
Art History  Fitness  Psychology
Art Studio  French  Public Relations
Biochemistry  Graphic Design  Quantitative Methods
Biomedical Physics  History  Religious Studies
Biology  International Relations  Rhetoric
Business  Leadership  Software Engineering
Canadian Studies  Mathematics  Spanish
Chemistry  Multimedia Journalism  Theatre
Coaching  Music  Visual Communications
Computer Science  Neuroscience  Individualized Minor
Creative Writing  Nonprofit Leadership
Data Science  Philosophy
Economics  Political Economy

Cooperative Programs:
  Dentistry  Medical Technology  Public Health
  Engineering  Pharmacy

Pre-Professional Programs:
  Pre-Dental  Pre-Occupational Therapy  Pre-Physician’s Assistant
  Pre-Law  Pre-Optometry  Pre-Podiatry
  Pre-Medical  Pre-Pharmacy  Pre-Veterinary
  Pre-Medical Technician  Pre-Physical Therapy  Transition to Teaching Program
Degree Requirements

Franklin College requires students to complete the following requirements for the Bachelor of Arts degree:

1. **Total Credit Hours**: A minimum of 120 hours with a cumulative grade point average of 2.00 (A=4.00) or higher. Education majors, designated tracks in some majors, as well as double or triple majors may require more than 120 hours and enrollment beyond a fourth year. A maximum of 16 credit hours of internship credit may be applied toward the minimum 120 semester hours required for graduation.

2. **LA Requirements**: Successful completion of the liberal arts requirements.

3. **Major Requirements**: Successful completion of all requirements for an academic major with a grade of ‘C’ or better per course in the major field. However, a minimum grade point average of 2.00 (A=4.00) is required in the major field, unless otherwise specified by individual departments. All majors require at least 24 semester hours in addition to those hours used to satisfy the liberal arts requirements.

4. **Minor Requirements**: A grade of ‘C’ or better in all courses required for the minor. However, a minimum grade point average of 2.00 (A=4.00) is required in the minor field, unless otherwise specified by individual departments. A minor is not required for graduation.

5. **Foreign Language Requirement**: Students who upon matriculation do not demonstrate proficiency equivalent to satisfactory completion of a Franklin College foreign language course numbered 111 or higher or the equivalent at another institution must complete such a course prior to graduation.

6. **Undergraduate Research Requirements**: Successful completion of the scaffolded undergraduate research experience administered by the academic department in which the student completes a major. (See Expectations and Outcomes in the UGR section.)

7. **Professional Requirements**: Successful completion of the professional development program administered by the academic department in which the student completes a major. Students with multiple majors need only complete professional development requirements in one major, to be determined in consultation with the departments involved and, if necessary, the director of professional development. (See additional details in the Integrated Professional Development section.)

8. **Immersive-Term Immersive Experiences**: Students must complete a minimum of two immersive experiences during the three-week immersive term (at least 6 credit hours). One of these two experiences must be an on-campus, immersive course during the student’s first year at Franklin College. The second must be an off-campus immersive experience, such as an internship (which may be a new experience, a continuation of a fall internship, or in conjunction with a spring internship), field experience, practicum, study away experience, undergraduate research opportunity, community-based project, or other approved off-campus, credit-bearing experience or independent study. Students cannot take a second on-campus immersive course to satisfy their second immersive-term experience. The number of immersive term credit hours required of transfer students will be determined by the number of hours completed prior to entering Franklin College. All students must enroll in an immersive-term immersive experience during their first year at Franklin College. Students wishing to study abroad during their first year on campus may do so if they are accepted into the course. This study away experience will satisfy the on-campus immersive course requirement. Students may do two study away experiences to satisfy both immersive-term experiences.

9. **Pivot**: Students must complete a minimum of two Pivot conferences. Included workshops are designed as applied experiences focused on personal and professional skill development. One Pivot conference (two or three days in length) must be completed during the student’s first year at Franklin College.

10. **Senior Competency Practicum**: Successful completion of the senior competency practicum administered by the academic department in which the student completes a major. Students complete the senior competency practicum in the last year during which course requirements for the major are completed. Double and triple majors are required to complete a senior competency practicum in all majors.

11. **Final 48 Credit Hours**: The last 48 credit hours, as a minimum, must be completed at Franklin College.

*Note: Students seeking teacher licensure may have different requirements than those listed above. Please refer to the education department section for details.*
The Pursuit Curriculum

Liberal Arts Coordinator: A. Heikens

Mission: The relevant & responsive liberal arts curriculum is the heart of a Franklin College education. An education that nurtures personal and professional development. The program is designed to provide a breadth of experience in the liberal arts while preparing students to think critically; communicate effectively; apply knowledge and skills; solve problems; and reflect on events, actions, and behaviors in a rapidly changing world. The curriculum scaffolds foundational skills yet permits each student to design a learning experience that best suits individual needs, strengths, and interests.

Student Learning Outcomes of the Relevant and Responsive Liberal Arts Curriculum:

- The curriculum offers a developmental and experiential liberal arts program of study. As a result of engaging in this learning experience, students will:
  - Demonstrate discernment,
  - Apply learning, and
  - Express ideas clearly.

These overarching outcomes will be measured via five key student behaviors:

1. **Employ critical thinking**
   By developing the ability to think critically, students habitually explore many facets of an issue, idea, artifact, composition, piece, study, and/or event before accepting an opinion or formulating a conclusion.

2. **Communicate effectively**
   Effective communication ensures that students present information clearly resulting in enhanced knowledge or understanding.

3. **Evaluate issues and systems of personal and public concern**
   This evaluation allows students to engage with and reflect on policies, philosophies, issues, and systems, governmental and non-governmental, that guide society and empower students to act for the public good.

4. **Apply knowledge of global contexts**
   As students apply knowledge of global contexts, they demonstrate the ability to examine and explore multifaceted global challenges and their historical roots.

5. **Solve problems**
   Today’s ambiguous environment requires student to adapt to constantly changing problems and parameters. Problem solving requires students to explore alternatives, break complex components into understandable pieces, and implement tested strategies to answer complex questions.
Liberal Arts Core Curriculum

The full liberal arts core curriculum includes six core courses, seven exploratory courses and a foreign language requirement. Courses with an LA prefix may not be used to satisfy exploratory requirements and vice versa.

<table>
<thead>
<tr>
<th>CORE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>FYS 101: First-Year Seminar</td>
<td>4</td>
</tr>
<tr>
<td>LA 101: Reading &amp; Writing Critically</td>
<td>4</td>
</tr>
<tr>
<td>*LA 111: Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>LA 102: Past and Present</td>
<td>4</td>
</tr>
<tr>
<td>*LA 103: Quantitative Reasoning (MAT/SOC 224, MAT 181, MAT 135, and CMP 130)</td>
<td>3-4</td>
</tr>
<tr>
<td>LA 201: Analyzing Literature</td>
<td>4</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td><strong>22-23</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXPLORATORIES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Civic Learning</td>
<td>3-4</td>
</tr>
<tr>
<td>Diversity</td>
<td>3-4</td>
</tr>
<tr>
<td>Creative Arts</td>
<td>3-4</td>
</tr>
<tr>
<td>International</td>
<td>3-4</td>
</tr>
<tr>
<td>*Scientific Thinking</td>
<td>4-5</td>
</tr>
<tr>
<td>Reasoning &amp; Values</td>
<td>3-4</td>
</tr>
<tr>
<td>Human Behavior</td>
<td>3-4</td>
</tr>
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<td><strong>Subtotal</strong></td>
<td><strong>22-29</strong></td>
</tr>
<tr>
<td>Language Requirement</td>
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</tr>
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<td><strong>Subtotal</strong></td>
<td><strong>26-37</strong></td>
</tr>
<tr>
<td>TOTAL</td>
<td><strong>48-60</strong></td>
</tr>
</tbody>
</table>

*Courses with **Technology Integration**. In the contemporary workforce, employers expect students to have experience with basic technologies. Awareness and appropriate use of technologies can aid in decision making and facilitate virtual teamwork. It is critical that students understand the benefits and drawbacks of using technology in various contexts.

Liberal Arts Course Sequencing

<table>
<thead>
<tr>
<th>CORE</th>
<th>SEQUENCING</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101: First-Year Seminar</td>
<td>Fall, First Year</td>
</tr>
<tr>
<td>LA 101: Reading and Writing Critically</td>
<td>Spring, First Year</td>
</tr>
<tr>
<td>LA 111: Public Speaking</td>
<td>First or Second Year</td>
</tr>
<tr>
<td>LA 102: Past and Present</td>
<td>First or Second Year</td>
</tr>
<tr>
<td>LA 103: Quantitative Reasoning (MAT/SOC 224, MAT 181, MAT 135, and CMP 130)</td>
<td>First or Second Year</td>
</tr>
<tr>
<td>LA 201: Analyzing Literature</td>
<td>Fall, Second Year</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXPLORATORIES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Civic Learning</td>
<td>Anytime</td>
</tr>
<tr>
<td>Creative Arts</td>
<td>Anytime</td>
</tr>
<tr>
<td>Diversity</td>
<td>Anytime</td>
</tr>
<tr>
<td>Human Behavior</td>
<td>Anytime</td>
</tr>
<tr>
<td>International</td>
<td>Anytime</td>
</tr>
<tr>
<td>Reasoning &amp; Values</td>
<td>Anytime</td>
</tr>
<tr>
<td>Scientific Thinking</td>
<td>Anytime</td>
</tr>
</tbody>
</table>
## Core Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Sessions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYS 101</td>
<td>First-Year Seminar</td>
<td>4</td>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>LA 101</td>
<td>Reading and Writing Critically</td>
<td>4</td>
<td>Spring and summer</td>
<td></td>
</tr>
<tr>
<td>LA 102</td>
<td>The Past and Present: The World Since 1750</td>
<td>4</td>
<td>Fall and spring</td>
<td></td>
</tr>
<tr>
<td>LA 103</td>
<td>Quantitative Reasoning</td>
<td>4</td>
<td>Fall and spring</td>
<td>Note: placement based upon mathematics placement criteria</td>
</tr>
<tr>
<td>LA 111</td>
<td>Public Speaking</td>
<td>3</td>
<td>Fall and spring</td>
<td></td>
</tr>
<tr>
<td>LA 201</td>
<td>Analyzing Literature</td>
<td>4</td>
<td>Spring and summer</td>
<td>Prereq: C- or better in LA 101 and sophomore standing</td>
</tr>
</tbody>
</table>

The First-Year Seminar is a reading-intensive course that invites students to explore provocative topics, ask meaningful questions, and engage in academic discourse. This course helps lay the foundation of the undergraduate research experience by asking students to evaluate and effectively use information sources. Throughout the course, students will strengthen connections with the college and each other. This course is to be taken during the student's first semester on campus. Students may not transfer in credit for this course. (Sections will be designated for transfer students as needed. Students must pass the course with a D- or better to graduate. Students wishing or needing to retake the course must do so in the subsequent semester the course is offered.)

Students in LA 101 must earn a C- or better to enroll in LA 201 in a subsequent semester.

A systematic examination of the individuals, groups, ideas, institutions, and events that shaped world societies from 1750 to the present. The course will cover political, economic, social, religious, intellectual, and cultural developments with special emphasis on the connections between the historical evolution of the modern world and major contemporary issues. Incorporates research using electronic and print resources.

Students will be introduced to quantitative approaches and mathematical tools for understanding the world, thinking critically about quantitative and logical information, and making informed decisions about issues in everyday life. This course emphasizes connections with a variety of other disciplines. Incorporates use of spreadsheets. Course satisfies liberal arts core curriculum mathematics requirement. **Note: Students may be placed in ASC 082 concurrently with LA 103 based upon mathematics placement criteria.**

A study of the principles, methods, and purposes of various types of oral communication, chiefly extemporaneous. Students will receive instruction and practice in the preparation, delivery, and criticism of at least four speeches while developing an understanding and knowledge of the communication process. Incorporates use of presentation software.

A writing-intensive topics course in literature designed to help students understand literature, think metaphorically, and support literary interpretations through critical reading of texts. Each instructor will choose a specific theme and/or set of readings to accomplish this goal. (Specific course topics and descriptions are available online in Self-Service.) This course should be completed by the end of the sophomore year.
Exploratory Courses

As one component of a liberal arts education, exploratory courses are designed to broaden students’ curiosity and enthusiasm for a diverse set of disciplines; introduce students to alternative ways of understanding themselves, others, and the world; and give students tools to innovate, lead, and serve in ever-changing professions in a globally connected world.

Students are required to take at least one course from each of the following seven categories: civic learning, creative arts, diversity, human behavior, international, reasoning & values, and scientific thinking. Permitted substitutions are listed at the end of the exploratory course options. Students may take up to two courses with the same departmental prefix, including courses that fulfill major requirements. One course may satisfy up to two exploratory requirements if it is listed in both categories.

Notes:
- Throughout the catalog, odd and even years refer to the start of the academic year. Thus, 2019-20 is an odd academic year.
- Courses with prerequisites are in *italics*.
- To review course descriptions, see the respective major departments.

Civic Learning (3-4 hours credit)
Recognizing the historic and contemporary relationship between education and the maintenance of our democratic traditions, this category empowers each student to build a bridge from academic study to the role of an adult citizen. To thrive, our civil society requires engaged and educated individuals who will serve the public in a government role and/or engage with government toward the public good. Similarly, civically literate adults enjoy the ability to solve complex public and private problems, to assert their rights, and to effectively articulate informed opinions to public decision-makers. The experience equips students with the tools needed to understand and impact policy and governmental structures that guide our society and prepares students to use informed decision-making to evaluate governmental action/inaction. This experience will not indoctrinate students in the values of one party or political viewpoint. A designated course in the major may satisfy this requirement. Transfer courses may not fulfill this exploratory requirement unless approved.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 205</td>
<td>Environmental Issues (Spring, even &amp; Fall, odd years)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 101</td>
<td></td>
</tr>
<tr>
<td>BIO 320</td>
<td>Conservation Biology (Fall, odd years)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Prerequisites: BIO 134, BIO 140, &amp; BIO 240</td>
<td></td>
</tr>
<tr>
<td>EDU 210</td>
<td>Educational Philosophy, Law, &amp; Ethics (Fall &amp; Spring)</td>
<td>3</td>
</tr>
<tr>
<td>ENG/NPL 485</td>
<td>Communications Consulting Project (Fall)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 201 &amp; senior standing</td>
<td></td>
</tr>
<tr>
<td>HIS 121</td>
<td>U.S. History since 1877 (Spring)</td>
<td>3</td>
</tr>
<tr>
<td>KIN 315</td>
<td>Health/Wellness Issues &amp; Trends in Society (Spring)</td>
<td>3</td>
</tr>
<tr>
<td>LAN 300</td>
<td>Faces of Immigration: Latin American &amp; US Perspectives (Spring)</td>
<td>4</td>
</tr>
<tr>
<td>LAN 300</td>
<td>The War on Drugs: Who’s Winning? (Spring)</td>
<td>4</td>
</tr>
<tr>
<td>LEA/NPL/SOC 315</td>
<td>Nonprofit Leadership Capstone (Spring, odd years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: NPL/SOC 230</td>
<td></td>
</tr>
<tr>
<td>MAT 345</td>
<td>Statistical Consulting Project (Spring, odd years)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: MAT 224 or PSY 224 or MAT 331</td>
<td></td>
</tr>
<tr>
<td>MMJ/PRL/SPR 445</td>
<td>Communication Law in a Digital World (fall and spring)</td>
<td>3</td>
</tr>
<tr>
<td>PDP 150</td>
<td>Personal Finance and Public Policy (summer)</td>
<td>4</td>
</tr>
<tr>
<td>POL 110</td>
<td>American National Government (Fall, &amp; Spring even years)</td>
<td>4</td>
</tr>
<tr>
<td>POL 225</td>
<td>State and Local Government (Spring, odd years)</td>
<td>4</td>
</tr>
</tbody>
</table>
POL 234  American Political Participation (Fall, even years)  4 credit hours

PSY 330  Psychology and Law (Fall, odd and spring, even years)  4 credit hours

Prerequisite: PSY 117

SOC 210  Criminal Justice (Fall)  4 credit hours

Creative Arts (3-4 hours credit)

Students will explore the creative arts as a means of creativity that can transcend barriers of time, space, language, and culture. Students may fulfill this requirement with any theory or studio course in the following list.

ART 116  History of Art I (Fall)  4 credit hours
ART 117  History of Art II (Spring)  4 credit hours
ART 130  Color and Design (Fall & Spring)  3 credit hours
ART 140  Graphic Design I (Fall & Spring)  4 credit hours
ART 160  Drawing I (Fall & Spring)  3 credit hours
ART 170  Painting I (Fall & Spring, even years)  3 credit hours
ART 175  Ceramics I (Every Fall and Spring, odd years)  3 credit hours
ART 190  Digital Fine Art Photography I (Fall & Spring)  3 credit hours
ART 230  Modern Art (Fall)  4 credit hours
CWR 150  Introduction to Creative Writing (Fall and spring)  4 credit hours

(Concurrent or prior enrollment in LA 101 recommended but not required)

MUS 119  Introduction to Music (Fall & Spring)  4 credit hours
MUS 219  World Music (Fall)  4 credit hours
MUS 331  Music History I (Fall)  4 credit hours
MUS 330  Music History II (Spring, even years)  4 credit hours
THE 110  Theatre Appreciation (Fall & Spring)  3 credit hours
THE 125  Script Analysis and Theory (Fall)  3 credit hours
THE 170  Theatre History (Spring, even years)  3 credit hours
THE 190  Film Appreciation (Spring, odd years)  3 credit hours

As an alternative, students may fulfill this requirement by earning total of four credits in either of the two following music course combinations:

MUS 170 & MUS 171  Class Guitar I and II (Fall and Spring)  2 credit hours
MUS 180 & MUS 181  Class Piano I and II (Fall, Spring)  2 credit hours

As an alternative, students may fulfill this requirement by earning a total of four credits in one or more of the following music ensembles (courses can be repeated):

MUS 121  Franklin College Singers (Fall & Spring)  1 credit hour
MUS 122  Men’s Chorus (Fall & Spring)  1 credit hour
MUS 123  Women’s Chorus (Fall & Spring)  1 credit hour
MUS 124  Franklin College Band (Fall & Spring)  1 credit hour
MUS 125  String Ensemble (Fall & Spring)  1 credit hour
MUS 127  Percussion Ensemble (Spring)  1 credit hour

Diversity (3-4 hours credit)

Diversity courses at Franklin College address one or more forms of physical, cultural or social differences between groups of people and will engage students in the study of a topic or issue that allows for exploration of the challenges of creating a diverse society including: (1) comparison of multiple perspectives, (2) understanding of power relations that influence intergroup relations and (3) building skills for effective interaction across differences. The diversity requirement allows students to develop knowledge of intergroup dynamics and the competencies of empathy and effective communication that are necessary for success in an increasingly diverse environment. Students can fulfill this requirement with any course in the following list.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 230</td>
<td>Modern Art (Fall)</td>
<td>4</td>
</tr>
<tr>
<td>ART 350</td>
<td>Eastern Thought in Western Art (Spring)</td>
<td>4</td>
</tr>
<tr>
<td>CAN/ENG 235</td>
<td>Native North American Literature (Spring, even years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 101</td>
<td></td>
</tr>
<tr>
<td>DAT 110</td>
<td>Data Equity and Bias (Spring)</td>
<td>3</td>
</tr>
<tr>
<td>EDU 315</td>
<td>Human Diversity in the Classroom (Fall &amp; Spring)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Admitted to Ed. Ed.</td>
<td></td>
</tr>
<tr>
<td>ENG 234</td>
<td>African American Literature (Spring, odd years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 101</td>
<td></td>
</tr>
<tr>
<td>ENG 236</td>
<td>Gender and Sexuality in Literature (Fall, even years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 101</td>
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</tr>
<tr>
<td>ENG 238</td>
<td>American Minority Literature (Fall, even years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 101</td>
<td></td>
</tr>
<tr>
<td>EXE 425</td>
<td>Exercise Prescription for Special Populations (Fall)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Prerequisites: ANAT 210/210L, ANAT 220/220L, EXE 234, EXE 372/372L &amp; EXE 375</td>
<td></td>
</tr>
<tr>
<td>FRE 211</td>
<td>Intermediate French II (Spring)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: C- or better in FRE 210 or equivalent</td>
<td></td>
</tr>
<tr>
<td>GEO 220</td>
<td>Human World Geography (Fall &amp; Spring)</td>
<td>3</td>
</tr>
<tr>
<td>HIS 214</td>
<td>The South Atlantic World, 1400-1824 (Spring, even years)</td>
<td>4</td>
</tr>
<tr>
<td>HIS 231</td>
<td>African American History (Fall, even years)</td>
<td>4</td>
</tr>
<tr>
<td>HIS 340</td>
<td>Global Military History (Fall, even years)</td>
<td>4</td>
</tr>
<tr>
<td>KIN 310</td>
<td>Diversity and Inclusion in Sport (fall and spring)</td>
<td>3</td>
</tr>
<tr>
<td>LEA 330</td>
<td>Leadership in a Multicultural Context (Fall, odd years)</td>
<td>3</td>
</tr>
<tr>
<td>POL 120</td>
<td>Introduction to International Relations (Spring)</td>
<td>4</td>
</tr>
<tr>
<td>PSY 315</td>
<td>Psychology of Diversity (Fall, even and Spring, odd years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: PSY 117</td>
<td></td>
</tr>
<tr>
<td>REL 225</td>
<td>Religion in America II: Contemporary Religious Experience (Fall, odd years)</td>
<td>4</td>
</tr>
<tr>
<td>SOC 210</td>
<td>Criminal Justice (Fall)</td>
<td>4</td>
</tr>
<tr>
<td>SPA 211</td>
<td>Intermediate Reading, Writing, and Discussion</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: C- or better in SPA 210 or equivalent</td>
<td></td>
</tr>
<tr>
<td>THE 125</td>
<td>Script Analysis and Theory (Fall)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Human Behavior (3-4 hours credit)**

Students explore the nature of human social behavior, learning to recognize recurring patterns in behavior and belief and the forces that shape them. Students may fulfill this requirement with any course in the following list.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 115</td>
<td>Principles of Economics (Fall &amp; Spring)</td>
<td>3</td>
</tr>
<tr>
<td>GEO 220</td>
<td>Human World Geography (Fall &amp; Spring)</td>
<td>3</td>
</tr>
<tr>
<td>HIS/WST 332</td>
<td>History of Women in the United States (Fall, odd years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: HIS 120, HIS 121, or consent of instructor</td>
<td></td>
</tr>
<tr>
<td>LEA 220</td>
<td>Leadership: Foundations, Theory and Practice (Spring)</td>
<td>3</td>
</tr>
<tr>
<td>POL 110</td>
<td>American National Government (Fall, &amp; Spring even years)</td>
<td>4</td>
</tr>
<tr>
<td>POL 120</td>
<td>Introduction to International Relations (Spring)</td>
<td>4</td>
</tr>
<tr>
<td>POL 130</td>
<td>Introduction to Comparative Politics (Fall)</td>
<td>4</td>
</tr>
<tr>
<td>PSY 117</td>
<td>General Psychology (Fall &amp; Spring)</td>
<td>4</td>
</tr>
<tr>
<td>SOC 118</td>
<td>Introduction to Sociology (Fall &amp; Spring)</td>
<td>4</td>
</tr>
<tr>
<td>WST 101</td>
<td>Introduction to Women’s Studies (Spring, even years)</td>
<td>4</td>
</tr>
</tbody>
</table>
International (3-4 hours credit)

International courses and learning experiences provide students the opportunity to study the larger world and increase their appreciation of non-US cultures. Courses may be global in scope or may focus on a particular nation or region outside the US and will foster an understanding of complex international/global issues and the role that culture plays in these issues. Students may fulfill this requirement through an international study away experience, a foreign language course at the 200-level or higher or by completing a course from a list of approved international courses.

Note: A second course in this category may not be used to satisfy the diversity requirement unless the course also appears on the diversity course list.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN 130</td>
<td>Introduction to Canada (Fall &amp; Spring)</td>
<td>4</td>
</tr>
<tr>
<td>CAN/HIS 230</td>
<td>History of Canada (Fall, even years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: HIS 120, CAN 130, or consent of instructor</td>
<td></td>
</tr>
<tr>
<td>ENG 117</td>
<td>World Literature I (Fall)</td>
<td>4</td>
</tr>
<tr>
<td>ENG 118</td>
<td>World Literature II (Spring)</td>
<td>4</td>
</tr>
<tr>
<td>ENG 231</td>
<td>Global Literature (Fall, odd years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 201</td>
<td></td>
</tr>
<tr>
<td>ENG 232</td>
<td>Greek Literature (Spring, odd years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 101</td>
<td></td>
</tr>
<tr>
<td>FRE 210</td>
<td>Intermediate French I (Fall)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: C- or better in FRE 111 or equivalent</td>
<td></td>
</tr>
<tr>
<td>HIS 210</td>
<td>Introduction to Latin American History &amp; Culture (Spring, odd years)</td>
<td>4</td>
</tr>
<tr>
<td>HIS 310</td>
<td>Modern Latin America (Fall, odd years)</td>
<td>4</td>
</tr>
<tr>
<td>HIS 348</td>
<td>Germany &amp; Europe: 1848-1945 (Spring, even years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 102 or consent of instructor</td>
<td></td>
</tr>
<tr>
<td>HIS 356</td>
<td>Russian History (Fall, even years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 102 or consent of instructor</td>
<td></td>
</tr>
<tr>
<td>HIS 361</td>
<td>East Asian History (Fall, odd years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 102 or consent of instructor</td>
<td></td>
</tr>
<tr>
<td>HIS 365</td>
<td>History of the Middle East (Spring, odd years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: LA 102 or consent of instructor</td>
<td></td>
</tr>
<tr>
<td>IHE 100</td>
<td>Intercultural Honors Experience Seminar (Spring)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: selection by committee</td>
<td></td>
</tr>
<tr>
<td>LAN 300</td>
<td>Topics in Language</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Pending topic approval. Prerequisite: vary depending on course</td>
<td></td>
</tr>
<tr>
<td>MUS 219</td>
<td>World Music (Fall)</td>
<td>3</td>
</tr>
<tr>
<td>SOC 330</td>
<td>Global Transformations (Spring, even)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: SOC 118 or consent of instructor</td>
<td></td>
</tr>
<tr>
<td>SPA 210</td>
<td>Intermediate Spanish (Fall)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: C- or better in SPA 111 or equivalent</td>
<td></td>
</tr>
<tr>
<td>SPA 334</td>
<td>Masterpieces of Spanish-American Literature (Fall, even years)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: SPA 315, plus one of SPA 300 (AS), 312, 313, 314, or 316, or consent of instructor</td>
<td></td>
</tr>
</tbody>
</table>

Reasoning and Values (3-4 hours credit)

Through the study of philosophy and religion, students explore their values and beliefs in relation to those of others. Students may fulfill this requirement with any course in the following list.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 225</td>
<td>Bioethics (Fall)</td>
<td>3</td>
</tr>
<tr>
<td>PHL 116</td>
<td>Introduction to Philosophy (Fall &amp; Spring)</td>
<td>4</td>
</tr>
<tr>
<td>PHL 120</td>
<td>Knowledge and Reality (Spring, odd academic years)</td>
<td>4</td>
</tr>
<tr>
<td>PHL 210</td>
<td>Logic (Fall)</td>
<td>4</td>
</tr>
<tr>
<td>PHL 220</td>
<td>Principles of Ethics (Spring)</td>
<td>4</td>
</tr>
<tr>
<td>PHL 230</td>
<td>Philosophy of Language (Fall, even years)</td>
<td>4</td>
</tr>
<tr>
<td>PHL 314</td>
<td>History of Philosophy (Spring, odd years)</td>
<td>4</td>
</tr>
<tr>
<td>REL 114</td>
<td>Introduction to Religion (Fall &amp; Spring)</td>
<td>4</td>
</tr>
<tr>
<td>REL 210</td>
<td>Religion and the Environment (Fall &amp; Spring)</td>
<td>3</td>
</tr>
<tr>
<td>REL 215</td>
<td>Religion in America I: History of Religion in America (Fall, even)</td>
<td>4</td>
</tr>
<tr>
<td>REL 220</td>
<td>Old Testament Life and Literature (Fall)</td>
<td>3</td>
</tr>
<tr>
<td>REL 225</td>
<td>Religion in America II: Contemporary Religious Experience (Fall, odd)</td>
<td>4</td>
</tr>
<tr>
<td>REL 230</td>
<td>New Testament Life and Literature (Spring)</td>
<td>3</td>
</tr>
<tr>
<td>REL 240</td>
<td>Giving in Religion (Fall, even years)</td>
<td>3</td>
</tr>
<tr>
<td>REL/PHL 250</td>
<td>Living Religions East (Spring, even years)</td>
<td>4</td>
</tr>
<tr>
<td>REL 260</td>
<td>Living Religions West (Spring, odd years)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Scientific Thinking (4-5 hours credit)**

Through theoretical study and laboratory work, students have the opportunity to explore the scientific method as one of the primary ways of explaining the natural world. Students will cultivate the ability to use scientific methodology to clarify problems in their daily lives and develop a better understanding of the role of science in a global world. Students may fulfill this requirement with any course in the following list.

<table>
<thead>
<tr>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANAT 220 &amp; 220L</td>
<td>Applied Human Physiology (Spring)</td>
<td>4</td>
</tr>
<tr>
<td>AST 110</td>
<td>Astronomy (Fall, odd years)</td>
<td>4</td>
</tr>
<tr>
<td>BIO 114</td>
<td>General Biology (Fall &amp; Spring)</td>
<td>4</td>
</tr>
<tr>
<td>BIO 134</td>
<td>Principles of Biology (Fall)</td>
<td>4</td>
</tr>
<tr>
<td>CHE 112</td>
<td>Introductory Chemistry (Fall or Spring)</td>
<td>4</td>
</tr>
<tr>
<td>CHE 121 &amp; 123</td>
<td>General Chemistry I &amp; Lab (Fall)</td>
<td>5</td>
</tr>
<tr>
<td>ESC 118</td>
<td>Earth Science (Fall &amp; Spring)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 201 &amp; 203</td>
<td>General Physics I – Algebra &amp; Lab (Fall)</td>
<td>5</td>
</tr>
<tr>
<td>PHY 211 &amp; 203</td>
<td>General Physics I – Calculus &amp; Lab (Fall)</td>
<td>5</td>
</tr>
</tbody>
</table>

*Prerequisite: MAT 131 or MAT 135 & consent of instructor

**Exceptions and Substitutions for LA Core and Exploratory Requirements**

- LA 103 may be satisfied by CMP 130, MAT 135, MAT 181, or MAT/SOC 224

**Immersive Term**

**Degree Expectations**

Students entering Franklin College as first-year students are required to complete a minimum of two immersive experiences during the three-week immersive term (at least 6 credit hours total) to meet graduation requirements. One of these two experiences must be an on-campus, immersive course during the student’s first year at Franklin College. The second must be an off-campus immersive experience, such as an internship (which may be a new
experience, a continuation of a fall experience, or in conjunction with a spring internship), field experience, 
practicum, study away experience, undergraduate research opportunity, community-based project, or other 
approved off-campus, credit-bearing experience or independent study. Students cannot take a second on-campus
immersive course to satisfy their second immersive term requirement. Students wishing to study abroad during 
their first year on campus may do so if they are accepted into the course. This study away experience will satisfy 
the on-campus immersive requirement. Students may do two study away experiences to satisfy both immersive-
term immersive experiences. Transfer students entering Franklin College as sophomores (fewer than 58 hours) 
must satisfactorily complete six hours of immersive term experiences. Entering juniors (58-90 hours) must complete 
three hours of immersive term experiences at Franklin College. A student entering with 91 hours or more has no 
immersive term requirement and needs to fulfill only 120 total hours for graduation. Note: A transfer student may 
petition the registrar for reconsideration of immersive term requirements if the requirements will impede normal 
progression toward graduation.

The same grading system shall be used in immersive term as in the regular semester, except that internships will 
be graded on a pass-fail basis. Students who fail an immersive term experience and who do not have time to 
complete all the required immersive term credits before scheduled graduation must either:
1. wait one year and take a course in the next immersive term, or,
2. obtain approval from the Registrar for a substitution course which will not count as part of the normal
120 semester hours for graduation or for any other regular requirements.

Because of the special short-term nature of immersive term, a student withdrawing from an immersive term course 
after the fourth class day of the term will receive a grade of F.

In order to be consistent with the academic purpose of the college and with normal practice during the fall and 
spring semesters, all students residing in the residence halls during the immersive term must be registered officially 
in an approved immersive term course, independent study, internship experience, or prescheduled institutional 
activity which requires on-campus residence. Withdrawal from an immersive term course requires leaving the 
residence halls within 48 hours.

No additional tuition and room fees are charged to students who are enrolled full-time in the fall. If students are 
enrolled full time for the spring semester and wish to begin coursework during immersive term, they should refer 
to the section “Expenses and Financial Policies” for tuition, room, and board costs. Part-time tuition fees are charged 
to students who are not enrolled in either the fall or spring semester full-time. Immersive term board is charged to 
all students living on campus during the immersive term. Some individual courses may require additional course 
fees. No refunds for or reductions in tuition and room are allowed for those students not enrolled in immersive 
term or who reside off-campus during immersive term.

Courses and Experiences
Held during the month of January, immersive term offers an opportunity for three weeks of intense, uninterrupted 
participation in one topic of the student’s choice. Since full time is devoted to a single project, it can be explored in 
greater depth than is possible during the fall or spring semesters. Courses offered during the immersive term are 
different from the fall and spring courses offered.

Immersive term courses are defined as on-campus courses, travel courses, on-campus independent study, off-
campus independent study, internships, and cooperative programs offered by other institutions. All immersive term 
courses carry three hours of credit, and internships carry four hours of credit.

On-campus courses are problem- or question-based and address some aspect of a contemporary issue, topic, or 
event. For a minimum of 2/3 of the course time, immersive courses either (1) engage students with community 
partners or Professional Practitioners on campus or off campus, (2) engage students in an off-campus setting or
settings (e.g. museums, sporting events, concerts, speakers, parks, schools, government offices, non-profits, missions), or (3) a combination of the two. Faculty schedule immersive course components to best meet student needs and course goals. All courses include a personal and societal reflection component. Immersive courses taught during the immersive term do not require prerequisites and are not departmental or liberal arts courses. The one exception is study abroad, which may qualify for international exploratory status.

**Travel courses** involve Franklin College faculty taking groups of students on study tours of particular foreign countries or other regions and cities of the United States. These courses have a thematic focus. Students can satisfy the international exploratory requirement with a foreign travel course over immersive term. Additional fees are charged for travel courses.

**Independent study** shall take the form of reading or research activity in a specific area by a student under the guidance of a faculty advisor. At least two weeks prior to registration, the student and the faculty advisor shall submit to the department chair and the Registrar a description of the project. Independent study may be pursued on or off campus. Off-campus independent study is open only to juniors and seniors, while sophomores, juniors, and seniors may participate in an on-campus independent study.

Some students may be interested in enrolling in immersive term courses on other campuses, including foreign study courses. Arrangements should be made early in the fall, and the student must have approval of the Associate Registrar.

**Scaffolded Undergraduate Research**

Through mentored experiences within the liberal arts and major-specific curricular offerings, students will incrementally develop skills that will facilitate the exploration and execution of a meaningful intellectual project or creative product. This experience empowers students to innovate and explore their interests. Within the LA Curriculum, components of the undergraduate research experience are integrated into First-Year Seminar, Reading and Writing Critically, Public Speaking, and the student’s math course. Students may work on individual or group research projects as designated by the departmental structure. Within the major, undergraduate research elements and associated technologies are integrated into a minimum of three courses across the span of no less than two years. The goal is to create a truly scaffolded student experience.

**Research, Scholarship, or Creative (RSC) Work Outcomes**

- Students will demonstrate the ability to organize a professional-grade project proposal.
- Students, with the guidance of a faculty/staff mentor, will demonstrate the ability to employ standards of RSC consistent with the standards of the project’s discipline(s) as defined by the faculty.
- Students will demonstrate understanding and practice of research ethics within a disciplinary framework.
- Students will demonstrate the ability to articulate what they have learned from the RSC experience in a public forum in a way that
  - reflects critical thought,
  - clearly outlines the research, scholarship, or creative work accomplished,
  - summarizes any major findings and their relationship to the student’s expectations, and
  - explains how the project will impact the student’s future work.

**Note:** The above demonstration does not need to be an off-campus experience.
Integrated Professional Development

At Franklin College, professional development is not an “add on” to the academic experience. Professional knowledge and skills are intentionally integrated throughout the liberal arts curriculum and all academic disciplines, allowing students to transfer learning to professional, civic, and other academic environments. Faculty collaborate with internal and external partners to ensure students are prepared for the next opportunity. One key collaborator in the Integrated Professional Development student experience is the Practitioner Partner. All academic departments will provide students, at some point during their four years at Franklin, the opportunity to engage with a qualified Practitioner Partner. A qualified Practitioner Partner working or having recently worked in the field brings this experience into the classroom to enrich the learning environment.

These opportunities and experiences, in addition to the services, programs, courses, and activities offered by the director of professional development and employer relations, the director of career development, and the office of alumni engagement throughout students’ four years at Franklin, are designed to help students make a confident and successful transition from college to the professional workplace or to graduate/professional school.

The Franklin College Integrated Professional Development program provides opportunities for students to be successful in the professional workplace or graduate/professional school. While Career Development helps students find a job by teaching resume writing and interviewing, Professional Development teaches skills and competencies critical for success for students participating in an internship or for graduates beginning a job, such as decision-making, networking, professional behavior and etiquette, communications, and teamwork. Professional Development activities increase students’ awareness of: (1) workplace issues, such as office politics, diversity, employee rights and responsibilities, compensation and benefits, and business etiquette; and (2) personal adjustment and practical issues encountered in the transition to internships and post college life, such as balancing work and personal schedules, managing personal finances (budgets, banking, credit, insurance, investing, buying versus leasing, etc.), relocating, social graces, and managing stress.

The overarching theme of Professional Development is the continuous improvement of self, organization, and society. We strive to develop each student’s mental, physical, moral, social, and financial competence to a level that allows immediate success in the workplace or graduate school, as well as long term success in life.

In addition to the Integrated Professional Development program, students have myriad opportunities to develop self-awareness and professional skills through exploration of and participation in experiences facilitated by Career Development, Global Education, Leadership Studies, The Hive, and Undergraduate Research, all of which, combined, make up the Engaged Learning Department and are housed in the Ruth Lilly Center for Exploration. Specific professional development opportunities include the following:

Professional Competencies
At Franklin College, we believe that the many liberal arts skills that we teach and model are key skills which the workplace requires. In the classroom, as well as in co-curricular activities, we teach and assess competencies related to personal qualities, interpersonal abilities, communication skills, and cognitive abilities. Through an emphasis on professional development, we strive to enable students to translate and transfer these competencies to other settings, including the workplace.

Awareness of Real World Issues
In order to feel confident in making the transition from college to the “real world,” students need an awareness of a variety of issues that they will face. Through workshops, presentations in classes, guest speakers, and resources, Professional Development keeps real world issues in front of students.
Workplace Issues
Professional Development stays abreast of current, major issues in the workplace so that students can be informed and prepared to respond to these issues as they interview for jobs and enter the workplace. Issues may range from diversity to organizational culture to professional networking.

Transition Issues
As students leave a fairly structured college environment to face living on their own, maybe for the first time, an awareness of lifestyle issues is critical to making a successful adjustment. Transition issues include anything from managing money, relocating, and insurance to burn out and time and stress management.

Business Etiquette and Protocol
Many businesses regard a polite, professional manner as a key component of quality. Today’s changing business environments necessitate an updating of students’ awareness of etiquette so that they can respond confidently in their interactions with new colleagues and customers. Additionally, students must consider their online presence and the increasing importance of how social media may affect their ‘professional brand’ and personal reputation.

As part of the integrated professional development program at Franklin College, all students will

1. Complete the liberal arts curriculum focused on critical thinking, global awareness, effective communication, problem solving, and systems knowledge. These skills are needed in complex, ambiguous, ever-changing professional environments.

2. Acquire professional skills (All are required for students to access alumni networks and official college recruiting activities.):
   a) construct an approved, by the student’s academic department or a designee, professional resume (may undergo various iterations throughout a student’s Franklin experience);
   b) participate in at least one official mock interview;
   c) establish a professional online profile (as defined by the academic department); and
   d) use available technology appropriately.

3. Participate in professional experiences:
   a. at least one off-campus, credit-bearing (1) internship, (2) field experience, or (3) undergraduate research experience approved by the academic advisor and
   b. a networking opportunity as defined by the academic department in consultation with the Office of Career and Professional Development (e.g. departmental alumni/professional panels, speakers, or dinners; alumni engagement networking events; internship-related networking opportunities).

4. Articulate, in a culminating, reflective experience, the relevance of liberal arts, disciplinary, and applied experiences at Franklin College.

Additional Opportunities:

Workshops
Career Development and Professional Development offer several workshops open to all students each semester as well as provide workshops for various student activities and groups. Topics include Job Interviewing, Networking, Goal Setting, Learning from Feedback, Presenting Ideas Effectively, Business Etiquette, and Systems Thinking, among others.
Internships

Internships provide excellent opportunities for students to gain direct knowledge about a career, to apply knowledge from classroom experiences, and to gain valuable, practical work experience in that field. The Career Development office coordinates the fall semester, immersive term, spring semester and summer term internship programs, except for education and exercise science majors’ internships. For details, see the Career Development section under Student Life in this catalog.

Fine Arts Activities

Professional Development, through its financial support of the Fine Arts series, provides opportunities for Franklin College students to develop an appreciation of the arts by experiencing various artistic works first-hand. Attending and/or participating in fine arts events enables students to articulate a personal response to the arts and to value the contributions which various styles of art, music and theatre have made to society.

Professional Development Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDP 150</td>
<td>Personal Finance and Public Policy</td>
<td>4</td>
<td>Summer Civic Learning exploratory</td>
</tr>
</tbody>
</table>

This course will introduce students to the basics of personal finance, including spending, saving, borrowing, investing, planning, and more. Of course, the personal is political. The government collects sales tax, polices credit, insures banks, guarantees student loans and mortgages, and regulates securities, while taxing income and savings in diverse ways. This micro-macro analysis will teach students to understand how they and the government influence each other monetarily. The goal of this course is to provide students with a financial education that they can use to make better financial decisions and become prosperous citizens.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDP 200</td>
<td>Preparing for Your Internship</td>
<td>1</td>
<td>Fall and Spring</td>
</tr>
</tbody>
</table>

This course is designed for sophomores and juniors preparing for an internship experience. Among the subjects covered will be self-assessment of career objectives and internship goals; exploration of resources and techniques for finding, researching and evaluating potential internships; resume writing; interview techniques; reflection as a strategy to maximize learning in an internship; professional communication and correspondence; building a personal and professional network; and techniques for learning during and after the internship experience. This course WILL NOT provide students with a ready-made internship but will provide the opportunity to develop the skills and competencies that will facilitate a successful internship experience. Due to the experiential design of the course, out-of-class experiences are required and will include at least one mock interview, a resume writing workshop, an Internship Fair experience, a networking event or etiquette dinner, and possibly other out-of-class speakers/workshops. Course fee: $25.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDP 210</td>
<td>Professional Practices in Fine Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

This course is designed to prepare students to manage their career as they approach graduation (i.e. designers, artists, musicians, theatre artists, and journalists). Students will learn how to effectively promote their skills, price their work, and define their goals to create a plan for success. Emphasis is placed on developing a job search strategy, how to make connections in the industry, how to negotiate salary, how to prepare for an interview, and how to use the student portfolio in an interview. Topics covered will include: how to develop and maintain a resume/curriculum vitae, cover letter, professional photographs of work, artist bio and statement, how to build a professional quality portfolio for presentation to a potential employer or client (various media), grant applications, and writing.
A topic of current interest in professional development will be taught. Topics will vary depending upon faculty and student interest. Possible topics include Personal Finance, Ethical Decision Making, Grant Writing, and Systemic Thinking. Course will be offered at the request of a faculty member and with the approval of both the Vice President of Academic Affairs and director of professional development.

This course provides an introduction to the field of statistical learning and the essential tools for making sense of large and complex data sets. The topics include linear regression, classification, resampling methods, shrinkage methods, and tree-based methods. Students will work in teams, each under the coaching of an alumni professional who will serve as an advisor during the project, lead discussions regarding the demands of the professional workplace, and provide individual feedback on the degree to which each student displays professional skills and dispositions. Most of the project work will be conducted in an online environment to provide students with a taste of the conditions experienced by telecommuting professionals.
Academic Success and Opportunity Courses

Success in college and success after college depend upon a series of intangible skills and values, e.g., time and stress management, individual responsibility, leadership, ability to work in diverse problem-solving teams, love of learning, etc. These skills and values are cultivated in many parts of the Franklin College curriculum and in all of our academic departments. In addition, they are directly targeted for development in a series of classes.

**Academic Success Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Schedule</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASC 080</td>
<td>Academic Strategies for College I</td>
<td>1 credit</td>
<td>Fall on demand</td>
<td>Prereq: By placement</td>
</tr>
</tbody>
</table>

Development of thinking, reading comprehension, and study skills essential to academic success in college. Includes instruction and practice in reading college-level texts, critical thinking, note taking, preparation for exams, and memory improvement to help college students become more active learners. Fee: $55 nonrefundable. Grade is factored into semester and cumulative GPAs. **Note: Course credit does not count toward the minimum 120 semester hours for graduation.**

<table>
<thead>
<tr>
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<th>Schedule</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASC 082</td>
<td>Quantitative Reasoning Support</td>
<td>0 credit</td>
<td>Fall</td>
<td>Prereq: By placement</td>
</tr>
</tbody>
</table>

Students will receive further instruction and practice in using quantitative approaches and mathematical tools for understanding the world, thinking critically about quantitative and logical information, and for making informed decisions about issues in everyday life. **Note: Course credit does not count toward the minimum 120 semester hours for graduation.**

<table>
<thead>
<tr>
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<th>Schedule</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASC 085</td>
<td>Academic Strategies for College II</td>
<td>1 credit</td>
<td>Fall and Spring on demand</td>
<td>Prereq: Consent of instructor or by placement</td>
</tr>
</tbody>
</table>

This course is designed to help students identify issues that may affect academic success, develop a plan of action to ensure future academic success, and increase personal responsibility and self-management. Grade is factored into semester and cumulative GPAs. **Note: Course credit does not count toward the minimum 120 semester hours for graduation.**

**Academic Opportunity Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Schedule</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>COR 003</td>
<td>Student Leadership</td>
<td>1 credit</td>
<td>May be offered fall and spring</td>
<td>Prereq: Consent of instructor</td>
</tr>
</tbody>
</table>

An examination of the various skills utilized in student leadership positions. Topics may include planning and organization, communication, budgeting, legal aspects of student organizations, and organizational and leadership styles. Unless by special arrangement, may not be repeated for credit for the same activity. Graded on a pass/fail basis. Activity credit.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Schedule</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>COR 010</td>
<td>Career Planning</td>
<td>1 credit</td>
<td>On demand</td>
<td>Prereq: consent of instructor</td>
</tr>
</tbody>
</table>

This course exposes students to essential steps in designing a career plan. This course is divided into three broad sections. First is self-assessment so that students gain an understanding of how their skills, interests, work values, and personalities lead to career interests. Second, based on self-assessment, the student will identify career options and learn vocational research techniques. Third, students will learn the basics of internship and career search skills such as résumé and cover letter writing, networking and interviewing. This course will emphasize preparation for gaining work experience via internships, cooperative study, and seasonal employment. **First-year student and sophomore enrollment preferred.** Graded on a pass/fail basis.
Accounting

**Department:** Economics, Business, and Accounting  
**Department Chair:** S. Scheer  
**Department Members:** C. Fleming, E. Jones, S. Scheer, J. Squires  

**Major:** Accounting  
**Minor:** Accounting  

The department provides theoretical and practical education in these programs: economics, business, and accounting. Majors and minors are offered in each of these programs.

The accounting curriculum is designed to prepare majors with a strong technical, analytical, and personal understanding of how the financial, managerial, tax, and auditing concepts of accounting are used to process financial information and to communicate this information clearly, logically, and persuasively. The program courses require textbook readings, problem assignments, cases, and classroom presentations that develop this understanding. Although one internship is required, two internships are recommended. Students completing the major will be prepared for professional accounting employment and, with sufficient credits, to take the Certified Public Accounting examination.

**Accelerated Track Information and Requirements**  
A full semester internship is possible in the spring of the junior year only if the accounting curriculum is started in the first year and the student is willing to take extra coursework prior to and after the full semester internship. A 3.0 cumulative GPA is required at the end of the first year to continue on the accelerated track. In addition, a 3.3 average GPA in ACC 221 and ACC 222 is required to continue on the accelerated track. Students on this challenging track may need to take a few courses out-of-sequence which may require instructor permission to register.

A major or minor in accounting requires the student to have a minimum graduation GPA of 2.00 (A=4.00) in all required major/minor courses and to complete with grades of C- or better all coursework for the major, minor, and related field. Furthermore, regardless of major, all students taking accounting courses must complete all prerequisites with a C- or better.

Students who excel in the program have the opportunity to join Delta Mu Delta, the national business honor society. Juniors and seniors who have earned an overall 3.3 GPA at the time of invitation are eligible to join. Additionally, many scholarships are available to students who excel in the program.
Accounting Major

A major in accounting requires the student to have a minimum graduation GPA of 2.00 (A=4.00) in required major courses. Accounting majors must complete all courses in the major with a ‘C-‘ or better. All students majoring in accounting must be at the sophomore class level in order to enroll in any 300-level accounting major courses.

Core Requirements

- ACC 221 Principles of Accounting I
- ACC 222 Principles of Accounting II
- ACC 235 Data Management and Analysis
- ACC 311 Intermediate Accounting I
- ACC 312 Intermediate Accounting II
- ACC 321 Managerial-Cost Accounting
- ACC 341 Introduction to Taxation
- ACC 342 Advanced Taxation
- ACC 420 Auditing
- ACC 431 Advanced Accounting
- ACC 475 Strategic Implementation Project
- ACC 499 Senior Competency Practicum
- ECO 115 Principles of Economics
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics
- MAT 131 Introduction to Quantitative Analysis

Related field requirements

- BUS 341 Business Law I
- BUS 351 Business Finance
- CMP 130 Introduction to Computing
- MAT 224 Basic Applied Statistics

Two of the following courses

- BUS 352 Investments
- BUS 361 Contemporary Marketing
- BUS 371 Operations Management
- BUS/ECO 380 Econometrics

Professional Development Requirements

- ACC 498 Portfolio
- INT XXX Accounting Internship (Senior Year Experience)
- PDP 200 Preparing for Your Internship
Accounting Minor
The accounting minor requires a student to have a minimum graduation GPA of 2.00 (A=4.00) in the minor courses and to complete with grades of ‘C-’ or better all of the following coursework:

Required courses
ACC 221 Principles of Accounting I
ACC 222 Principles of Accounting II
ACC 311 Intermediate Accounting I
ACC 341 Introduction to Taxation

Two of the following courses
ACC 235 Data Management and Analysis
ACC 312 Intermediate Accounting II
ACC 321 Managerial-Cost Accounting
ACC 342 Advanced Taxation
ACC 420 Auditing
BUS 351 Business Finance
## Accounting Course Descriptions

### ACC 221 Principles of Accounting I
- **Fall and Spring**
- **3 credit hours**
- Concepts and issues of financial reporting for business entities, analysis, and recording of economic transactions. *May be taken during first year.*

### ACC 222 Principles of Accounting II
- **Fall and Spring**
- **3 credit hours**
- Prereq: ACC 221
- Continuation of financial accounting as well as concepts and issues of management accounting, budgeting, cost determination, analysis, and non-profit accounting. *May be taken during first year.*

### ACC 235 Data Management and Analysis
- **Fall and Spring**
- **3 credit hours**
- Prereq: CMP 130 or consent of instructor
- This course will focus on the application of intermediate and advanced Microsoft Excel topics to real-world business scenarios. Case studies will be used to provide engaged learning opportunities that will expand on introductory material learned from previous courses and will expand on the application in a business environment. Through the case studies, students will be asked to solve problems, think strategically and critically, and propose and/or implement solutions to business issues using Microsoft Excel and other software programs.

### ACC 300 Topics in Accounting
- **On demand**
- **3 credit hours**
- Prereq: Sophomore class standing
- A topic of current interest in accounting will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.

### ACC 311 Intermediate Accounting I
- **Fall**
- **3 credit hours**
- Prereq: ACC 221 & ACC 222, must have at least sophomore class standing
- The theoretical framework for accounting principles and financial statement presentation as applied to the assets of an enterprise.

### ACC 312 Intermediate Accounting II
- **Spring**
- **3 credit hours**
- Prereq: ACC 311, must have at least sophomore class standing
- The theoretical framework for accounting principles and procedures. Generally accepted accounting principles and financial statement presentation as applied to liabilities and equities.

### ACC 321 Managerial-Cost Accounting
- **Fall**
- **3 credit hours**
- Prereq: ACC 221 & ACC 222, must have at least sophomore class standing
- Purposes and methods of cost accounting as used for planning and control. Budgets, standards, and profitability analysis. Job-order, process, and standard cost accounting systems.

### ACC 341 Introduction to Taxation
- **Fall**
- **3 credit hours**
- Prereq: Sophomore class standing
- Internal Revenue Service Code and Regulations. Advanced aspects of income, deductions, and credits, especially as applied to individuals.
**ACC 342 Advanced Taxation**
Spring
Prereq: ACC 341 or consent of instructor

Internal Revenue Code and Regulations as applied to the tax requirements of partnerships, corporations, estates, and trusts. Tax structure, tax types, administration, tax data processing, and tax return preparation of partnerships and corporations.

**ACC 420 Auditing**
Fall
Prereq: ACC 312

Auditing with emphasis on standards, scope of audits, work-papers, and audit reports. To be taken during year of graduation.

**ACC 431 Advanced Accounting**
Spring
Prereq: ACC 312

A study of accounting procedures for partnerships, mergers and acquisitions, bankruptcy filings, and consolidations. Also includes government and nonprofit institution accounting. Stress is on consolidation of financial statements for corporations. To be taken during year of graduation.

**ACC 475 Strategic Implementation Project**
Fall through 2021-2022; Spring beginning 2022-2023
Prereq: ACC majors with senior standing having completed all other accounting core requirements with a grade of “C-” or better. Non-EBA majors must have senior standing and consent of instructor. Non-EBA majors who wish to have ACC 475 substitute for their major or departmental capstone course must have senior standing, consent of instructor, and consent of department chair in their major field.

This course is the senior capstone for accounting majors. Students will work in teams to solve complex business problems in a simulated boardroom setting as they address and solve a real-life business challenge that has been presented to them by Franklin College Alumni or others who have current and relevant projects to complete. Students are expected to synthesize material in all business, economics, and accounting courses in preparing solutions to these problems, and to present their solutions with a formal oral and written report directly to the business owners/managers who tasked them with the project. Teams will be expected to defend their solutions/suggestions, and prepare any follow-up work requested by the business owners/managers. Some time will be spent on resume development and job search/interview strategies. Depending upon project and project sponsor’s wishes, this course may be followed in the subsequent spring semester by an optional SNT 489 (Senior Internship Project, 1-3 credit hours, Spring) serving as a Strategic Implementation Project Follow-Up Internship.

**ACC 482 Accounting Practicum**
Fall and Spring
Prereq: Senior class standing

A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.

**ACC 490 Independent Study**
Prereq: Departmental consent

Course is designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in regular departmental course offerings.
### ACC 498 Portfolio

No credit

Spring

The portfolio requirement will be met by creating the portfolio required in BUS 371. Students will develop a comprehensive portfolio documenting skills learned and assessment of such skills. See BUS 371 for complete description.

### ACC 499 Senior Competency Practicum

No credit

Prereq: Senior class standing

Satisfactory performance on simulated CPA Exam. Passing grade ‘C-‘ or better.
American Studies Program

Department: History
Department Chair: M. Clark-Wiltz
Teaching Faculty: M. Clark-Wiltz, A. Fetter-Harrott, J. Jimerson, R. Smith

Minor: American Studies

American Studies rests upon the important assumptions that a culture should be investigated in its entirety and that a breadth of study leads to a depth of understanding. In keeping with these assumptions, American Studies at Franklin College is an interdisciplinary program. From a broad variety of disciplinary perspectives, the American Studies student will seek to understand the social, cultural, and intellectual forces which shape American culture.

The goals of the American studies program are:
• To give the student a better understanding of social forces that have influenced American culture;
• To present in a logical, meaningful pattern those writings of importance that have shaped Americans and the America of today;
• To foster and to cultivate the awareness of the rich heritage that is uniquely American;
• To stimulate a lively interest in and a sympathetic understanding of the development of the differing philosophies which have produced a variety of American thought;
**American Studies Minor**

All courses and prerequisites for courses taken to satisfy the American Studies minor must be completed with a grade of ‘C’ or better. Student must have a minimum graduation GPA of 2.00 (A=4.00) in required minor courses. Students are strongly encouraged to take diversity and international exploratories that consider the place of the United States in an increasingly globalized world.

**Required Courses**
- HIS 121 U.S. History Since 1877
- HIS 325 History of American Thought
- POL 110 American National Government

**Two of the following courses – must have different prefixes**
- ENG 234 African American Literature
- ENG 235 Native North American Literature
- ENG 238 American Minority Literature
- ENG 355 Early American Literature
- ENG 359 Realist and Modernist American Literature
- ENG 360 Contemporary American Literature
- HIS 231 African American History
- HIS 250 Indiana History
- HIS/WST 332 History of Women in US
- POL 225 State and Local Government
- POL 234 American Political Participation
- POL 410 American Constitutional Law I
- POL 420 American Constitutional Law II
- SOC/NPL 222 Social Problems & Nonprofit Responses

**Individualized Majors in American Studies**

In addition to the three required courses for the American Studies minor, students would need to include in the major a capstone academic experience, an internship, and additional courses approved by the director of the program so that the number of hours would total at least 33.

Complete course descriptions for each of these offerings may be found elsewhere in this catalog under the appropriate major headings.
Art

**Department:** Art  
**Department Chair:** S. Rakić  
**Art Faculty:** D. Cunningham, R. Frye, D. Kelly, S. Rakić,

**Majors:** Art History, Art Studio (Tracks: Ceramics, Digital Fine Art Photography, Graphic Design, & Painting)  
**Minors:** Art History, Art Studio, Graphic Design

The art department at Franklin College provides theoretical and practical education in a variety of options for completing an art major or minor program.

The art program is designed to develop students’ broad appreciation of art and their ability to create art through curricular offerings of art history and art studio experiences. Both art major and art minor programs allow two possible tracks: one primarily focusing on the study of art history and the other on developing studio skills. The goal of both options is to develop students’ understanding of the major periods/styles in visual arts and to encourage students to explore their own creativity in drawing, painting, sculpting, and designing. The art history program offers a study of visual concepts and the major art movements within the historical period which produced them and gives students an understanding and appreciation of artistic endeavor and experience. The art studio major is designed to develop students’ skills for creating art/design while developing an appreciation of art/design and an understanding of art history.

**Major Requirements**  
A major in art requires the student to have a minimum graduation GPA of 2.00 (A=4.00) in required major courses. All courses for majors must be completed with a grade of C- or better. A grade or C- or better is required for all prerequisite courses regardless of academic major.
**Art History**

**Core Requirements**
- ART 116 History of Art I: Ancient and Medieval Art
- ART 117 History of Art II: Renaissance to Modern Art
- ART 130 Color and Design
- ART 140 Graphic Design I
- ART 230 Modern Art
- ART 235 Issues in Contemporary Art
- ART 350 Eastern Thought in Western Art
- ART 499 Senior Comprehensive Exam

**Art Issues (pick one)**
- ART 340 Selected Issues in Art
- IMM XXX/Art History
- IMM 490 Clowes Visiting Artist Immersive Term Course

**Professional Development Requirements**
- ART 498 (Art History) Senior Portfolio Review
- PDP 210 Professional Practices in Fine Arts
- SNR/SNT 489 (Art History) Senior Experience*
  *May replace ONE of the electives listed below if 5 credit hours are completed.

**Three of the following courses**
- ART 160 Drawing I
- ART 170 Painting I
- ART 175 Ceramics I
- ART 190 Digital Fine Art Photography I
- ART 240 Graphic Design II
- ART 260 Drawing II
- ART 270 Painting II
- ART 275 Ceramics II
- ART 290 Digital Fine Art Photo. II
- ART 300 Topics in Art
- IMM XXX Course/Art Studio
- IMM 490 Clowes Visiting Artist Immersive Term Course (if used as Art Issues course, must be a different one)

**Related Field Requirements (choose one option)**

**Related Field Option**
- **Music** – 3 hours minimum of courses with a MUS prefix
- **Theatre** – one 3 credit hour course with a THE prefix
- **Additional courses** approved by the art faculty for a total of 12 credit hours in the related field

**Minor option** A minor at Franklin College

**Double major option** A second major at Franklin College
**Art Studio: Ceramics**

**Core Requirements**
- ART 116 History of Art I: Ancient and Medieval Art
- ART 117 History of Art II: Renaissance to Modern Art
- ART 130 Color and Design
- ART 140 Graphic Design I
- ART 160 Drawing I
- ART 170 Painting I
- ART 175 Ceramics I
- ART 190 Digital Fine Art Photography I
- IMM 490 Clowes Visiting Artist Immersive Term Course
- ART 499 Senior Comprehensive Exam

**Professional Development Requirements**
- ART 498 (Art Studio) Senior Portfolio Review
- PDP 210 Professional Practices in Fine Arts
- SNR/SNT 489 (Art Studio) Senior Experience

**Track Requirements**
- ART 275 Ceramics II
- ART 375 Ceramics III
- ART 475 Ceramics IV

**One of the following courses**
- ART 190 Digital Fine Art Photography I
- ART 240 Graphic Design II
- ART 260 Drawing II
- ART 270 Painting II
- ART 300 Topics in Art
- IMM XXX Course/Art Studio
- IMM 490 Clowes Visiting Artist Immersive Term Course (different from Core Requirements)

**One of the following courses**
- ART 230 Modern Art
- ART 235 Issues in Contemporary Art
- ART 340 Selected Issues in Art
- ART 350 Eastern Thought in Western Art
- IMM XXX Course/Art History

**Related Field Requirements (choose one option)**

**Related Field Option**
- **Music** – 3 hours minimum of courses with a MUS prefix
- **Theatre** – one 3 credit hour course with a THE prefix
- **Additional courses** approved by the art faculty for a total of 12 credit hours in the related field

**Minor option** - A minor at Franklin College

**Double Major option** - A second major at Franklin College
**Art Studio: Digital Fine Art Photography**

**Core Requirements**
- ART 116 History of Art I: Ancient and Medieval Art
- ART 117 History of Art II: Renaissance to Modern Art
- ART 130 Color and Design
- ART 140 Graphic Design I
- ART 160 Drawing I
- ART 170 Painting I
- ART 175 Ceramics I
- ART 190 Digital Fine Art Photography I
- IMM 490 Clowes Visiting Artist Immersive Term Course
- ART 499 Senior Comprehensive Exam

**Professional Development Requirements**
- ART 498 (Art Studio) Senior Portfolio Review
- PDP 210 Professional Practices in Fine Arts
- SNR/SNT 489 (Art Studio) Senior Experience

**Track Requirements**
- ART 290 Digital Fine Art Photography II
- ART 390 Digital Fine Art Photography III
- ART 395 Digital Fine Art Photography IV

**One of the following courses**
- ART 240 Graphic Design II
- ART 260 Drawing II
- ART 270 Painting II
- ART 275 Ceramics II
- ART 300 Topics in Art
- IMM XXX Course/Art Studio
- IMM 490 Clowes Visiting Artist Immersive Term course (different from Core Requirements)

**One of the following courses**
- ART 230 Modern Art
- ART 235 Issues in Contemporary Art
- ART 340 Selected Issues in Art
- ART 350 Eastern Thought in Western Art
- IMM XXX Course/Art History

**Related Field Requirements (choose one option)**

**Related Field Option**
- Music – 3 hours minimum of courses with a MUS prefix
- Theatre – one 3 credit hour course with a THE prefix
- Additional courses approved by the art faculty for a total of 12 credit hours in the related field

**Minor option**
- A minor at Franklin College

**Double Major option**
- A second major at Franklin College
Art Studio: Graphic Design

Core Requirements
- ART 116 History of Art I: Ancient and Medieval Art
- ART 117 History of Art II: Renaissance to Modern Art
- ART 130 Color and Design
- ART 140 Graphic Design I
- ART 160 Drawing I
- ART 170 Painting I
- ART 175 Ceramics I
- ART 190 Digital Fine Art Photography I
- IMM 490 Clowes Visiting Artist Immersive Term course
- ART 499 Senior Comprehensive Exam

Professional Development Requirements
- ART 498 (Art Studio) Senior Portfolio Review
- PDP 210 Professional Practices in Fine Arts
- SNR/SNT 489 (Art Studio) Senior Experience

Track Requirements
- ART 240 Graphic Design II
- ART 345 Graphic Design III
- ART 445 Graphic Design IV

One of the following courses
- ART 260 Drawing II
- ART 270 Painting II
- ART 275 Ceramics II
- ART 290 Digital Fine Art Photography II
- ART 300 Topics in Art
- IMM XXX Course/Art Studio
- IMM 490 Clowes Visiting Artist Immersive Term course (different from Core Requirements)

One of the following courses
- ART 230 Modern Art
- ART 235 Issues in Contemporary Art
- ART 340 Selected Issues in Art
- ART 350 Eastern Thought in Western Art
- IMM XXX Course/Art History

Related Field Requirements
- MMI/PRL 180 Publication Design

In addition, choose one option:

Related Field Option
- Music – 3 hours minimum of courses with a MUS prefix
- Theatre – one 3 credit hour course with a THE prefix

Additional courses approved by the art faculty for a total of 9 credit hours in the related field

Minor Option-A minor at Franklin College

Double Major Option-A second major at Franklin College
Art Studio: Painting

Core Requirements
- ART 116 History of Art I: Ancient and Medieval Art
- ART 117 History of Art II: Renaissance to Modern Art
- ART 130 Color and Design
- ART 140 Graphic Design I
- ART 160 Drawing I
- ART 170 Painting I
- ART 175 Ceramics I
- ART 190 Digital Fine Art Photography I
- IMM 490 Clowes Visiting Artist Immersive Term Course
- ART 499 Senior Comprehensive Exam

Professional Development Requirements
- ART 498 (Art Studio) Senior Portfolio Review
- PDP 210 Professional Practices in Fine Arts
- SNR/SNT 489 (Art Studio) Senior Experience

Track Requirements
- ART 270 Painting II
- ART 370 Painting III
- ART 470 Painting IV

One of the following courses
- ART 240 Graphic Design II
- ART 260 Drawing II
- ART 275 Ceramics II
- ART 290 Digital Fine Art Photography II
- ART 300 Topics in Art
- IMM XXX Course/Art Studio
- IMM 490 Clowes Visiting Artist Immersive Term Course (different from Core Requirement)

One of the following courses
- ART 230 Modern Art
- ART 235 Issues in Contemporary Art
- ART 340 Selected Issues in Art
- ART 350 Eastern Thought in Western Art
- IMM XXX Course/Art History

Related Field Requirements

Related Field Option
- Music – 3 hours minimum of courses with a MUS prefix
- Theatre – one 3 credit hour course with a THE prefix
Additional courses approved by the art faculty for a total of 12 credit hours in the related field

Minor Option
- A minor at Franklin College

Double Major Option
- A second major at Franklin College
Art History Minor
A minor in art requires the student to have a minimum graduation GPA of 2.00 (A=4.00) in required courses. All courses and prerequisites must be completed with a grade of C- or better. A grade or C- or better is required for all prerequisite courses regardless of academic major.

Required courses
- ART 116 History of Art I: Ancient and Medieval Art
- ART 117 History of Art II: Renaissance to Modern Art
- ART 230 Modern Art
- ART 235 Issues in Contemporary Art
- ART 350 Eastern Thought in Western Art

One of the following courses
- ART 130 Color and Design
- ART 140 Graphic Design I
- ART 160 Drawing I
- ART 170 Painting I
- ART 175 Ceramics I
- ART 190 Digital Fine Art Photography I
- ART 340 Selected Issues in Art
- IMM XXX Course/Art
- IMM 490 Clowes Visiting Artist Immersive Term Course

Art Studio Minor
A minor in studio art requires the student to have a minimum graduation GPA of 2.00 (A=4.00) in required courses. All courses and prerequisites must be completed with a grade of C- or better. A grade or C- or better is required for all prerequisite courses regardless of academic major.

Required courses
- ART 116 History of Art I: Ancient and Medieval Art
- ART 117 History of Art II: Renaissance to Modern Art
- ART 130 Color and Design
- ART 160 Drawing I

Three of the following courses
- ART 140 Graphic Design I
- ART 170 Painting I
- ART 175 Ceramics I
- ART 190 Digital Fine Art Photography I
- ART 240 Graphic Design II
- ART 260 Drawing II
- ART 270 Painting II
- ART 275 Ceramics II
- ART 290 Digital Fine Art Photography II
- ART 345 Graphic Design III
- ART 370 Painting III
- ART 375 Ceramics III
- ART 390 Digital Fine Art Photography III
- IMM 490 Clowes Visiting Artist Immersive Term Course
**Graphic Design Minor**

A minor in graphic design requires the student to have a minimum graduation GPA of 2.00 (A=4.00) in required courses. All courses and prerequisites must be completed with a grade of C- or better. A grade of C- or better is required for all prerequisite courses regardless of academic major.

**Required courses**
- **ART 140** Graphic Design I
- **ART 240** Graphic Design II
- **ART 345** Graphic Design III
- **ART 445** Graphic Design IV
- **MMJ/PRL 180** Publication Design

**One of the following courses**
- **ART 116** History of Art I: Ancient and Medieval Art
- **ART 117** History of Art II: Renaissance to Modern Art
- **ART 230** Modern Art
**Art Course Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Term</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 116</td>
<td>History of Art I: Ancient and Medieval Art</td>
<td>4</td>
<td>Fall</td>
<td>Creative Arts exploratory</td>
</tr>
<tr>
<td>ART 117</td>
<td>History of Art II: Renaissance to Modern Art</td>
<td>4</td>
<td>Spring</td>
<td>Creative Arts exploratory</td>
</tr>
<tr>
<td>ART 130</td>
<td>Color and Design</td>
<td>3</td>
<td>Fall and Spring</td>
<td>Creative Arts exploratory</td>
</tr>
<tr>
<td>ART 140</td>
<td>Graphic Design I</td>
<td>4</td>
<td>Fall and Spring</td>
<td>Creative Arts exploratory</td>
</tr>
<tr>
<td>ART 160</td>
<td>Drawing I</td>
<td>3</td>
<td>Fall and Spring</td>
<td>Creative Arts exploratory</td>
</tr>
<tr>
<td>ART 170</td>
<td>Painting I</td>
<td>3</td>
<td>Every Fall, and Spring even</td>
<td>Creative Arts exploratory</td>
</tr>
</tbody>
</table>

A history of painting, sculpture, and architecture of the Ancient World and the Middle Ages - from Egyptian to Gothic art.

A history of painting, sculpture, architecture and photography in Europe and America from the 15th century to the present.

In this class you will learn the visual principles behind the creation of historic and contemporary masterpieces through lecture and hands on work with collage materials. Figure-ground relationships, afterimage, optical mixture, and transparency illusions, and color theory are a few of the color concepts to be studied. Using simple cut and paste collage materials, we will explore a variety of historic and contemporary composition and design methodologies. Studio format with lectures, demonstrations, group critiques, and individualized instruction. Additional materials required.

This course combines studio work with classroom instruction. Fundamental components of design theory and typography are incorporated with problem definition to provide students with valuable experience in the ideation, research, execution and presentation of projects. Lectures and visual media provide a broad introduction to the visual communication professional field.

An introduction to drawing techniques and media. Emphasis on perceptual issues (use of line through contour drawing; perception of positive and negative spaces; perception of lights and shadows.) Studio classes supplemented with lectures, demonstrations, group critiques, and individualized instruction. Subject matter includes still life, interior, landscape and portraits as well as copying the drawings of old masters. Additional fee for required materials.

An introduction to painting techniques, materials, and history. Studio format with lectures, demonstrations, group critiques, and individualized instruction. Fee: $100 nonrefundable for cost of all materials.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Schedule</th>
<th>Department</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 175 Ceramics I</td>
<td>Ceramics I</td>
<td>3</td>
<td>Every Fall, and Spring even academic years</td>
<td>Creative Arts</td>
<td>expoliatory This class is an exploration of functional and sculptural ceramic forms using traditional and contemporary hand-building techniques. This class assumes that the student has no previous knowledge of clay, glazes, or firing and thus requires students to learn a broad range of skills to be able to translate their ideas successfully into the clay medium. Studio format with lectures, demonstrations, group critiques, and individualized instruction. Fee: $75 nonrefundable.</td>
</tr>
<tr>
<td>ART 190 Digital Fine Art Photography I</td>
<td>Digital Fine Art Photography I</td>
<td>3</td>
<td>Fall and Spring</td>
<td>Creative Arts expoliatory</td>
<td>This course provides the technical skills and ideological understanding necessary for the creation and appreciation of digital fine art photography. The semester is designed to build, cumulatively, from the absolute basics of camera controls, composition and light, to more advanced topics of the relationship between artist, audience and artwork. Studio format with lectures, demonstrations, group critiques, and individualized instruction. Digital camera is required. Fee: $10 nonrefundable.</td>
</tr>
<tr>
<td>ART 230 Modern Art</td>
<td>Modern Art</td>
<td>4</td>
<td>Fall</td>
<td>Diversity &amp; Creative Arts expoliatory</td>
<td>A history of painting, sculpture, architecture, and photography of the 20th century.</td>
</tr>
<tr>
<td>ART 235 Issues in Contemporary Art</td>
<td>Issues in Contemporary Art</td>
<td>3</td>
<td>Spring, odd academic years</td>
<td></td>
<td>This class will look at current trends in contemporary art such as the influence of museums and galleries, who determines what is art and what is the criteria, censorship, and postmodern philosophy. Class format includes lectures, group discussion, and trips to museums and galleries.</td>
</tr>
<tr>
<td>ART 240 Graphic Design II</td>
<td>Graphic Design II</td>
<td>4</td>
<td>Fall</td>
<td>Prereq: ART 140</td>
<td>Through lectures, demonstrations, and studio work, students are introduced to all aspects of typography, from its historical precedents to its current use. Creative thinking is encouraged, along with prescribed techniques and media. Students will gain a thorough understanding of the nature of vector and raster-based digital file development, as well as an in-depth study of the applications used to create them. Projects and assignments will focus on an exploration and understanding of the applications, applying color, tools, techniques, and printing options.</td>
</tr>
<tr>
<td>ART 260 Drawing II</td>
<td>Drawing II</td>
<td>3</td>
<td>Fall and spring</td>
<td>Prereq: ART 160 or consent of the instructor</td>
<td>A continuation of ART 160, with added emphasis on the use of value and the logic of light in drawing. Students are expected to bring together all of the basic component skills of drawing: perception of edges, spaces and shapes, relationships of angles and proportions, lights and shadows, and the skills of crosshatching and continuous tone. Studio format with lectures, demonstrations, group critiques, and individualized instruction. Subject matter includes still life, interior, landscape, and human figure. Additional materials required.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Schedule</td>
<td>Prerequisite(s)</td>
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<tr>
<td>ART 270 Painting II</td>
<td>Painting II</td>
<td>3</td>
<td>Fall even academic years, and every spring</td>
<td>ART 170</td>
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<td></td>
<td>A continuation of ART 170, with added emphasis on exploring personal ideas with a variety of painting methods. Studio format with lectures, demonstrations, group critiques, and individualized instruction. Fee: $30 nonrefundable for cost of all materials.</td>
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<tr>
<td>ART 275 Ceramics II</td>
<td>Ceramics II</td>
<td>3</td>
<td>Every fall, and spring even academic years</td>
<td>ART 175</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A continuation of ART 175, with added emphasis on exploring personal ideas with a variety of construction methods. Studio format with lectures, demonstrations, group critiques, and individualized instruction. Fee: $75 nonrefundable.</td>
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</tr>
<tr>
<td>ART 290 Digital Fine Art Photography II</td>
<td>Digital Fine Art Photography II</td>
<td>3</td>
<td>Fall and Spring</td>
<td>ART 190</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Where Digital Fine Art Photography I builds a set of conceptual and technical photographic tools, this is the course where students begin to explore the endless possibilities those tools represent, and to create work that represents their own long-term artistic interests. Studio format with lectures, demonstrations, group critiques, and individualized instruction. Digital camera is required. Fee: $10 nonrefundable.</td>
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</tr>
<tr>
<td>ART 300 Topics in Art</td>
<td>Topics in Art</td>
<td>3</td>
<td>On demand</td>
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<td></td>
<td>A studio course that will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.</td>
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<tr>
<td>ART 340 Selected Issues in Art</td>
<td>Selected Issues in Art</td>
<td>3</td>
<td>On demand</td>
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<tr>
<td></td>
<td>Art history course in which particular issues, artists, genres, or historical periods are selected for in-depth study. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.</td>
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<tr>
<td>ART 345 Graphic Design III</td>
<td>Graphic Design III</td>
<td>4</td>
<td>Fall</td>
<td>ART 240</td>
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<tr>
<td></td>
<td>This class moves beyond the syntax (structure) of type and into semantics (meaning). The student will develop and manipulate grids, understand color theory, know typographic anatomy, history, and vocabulary, create unique logotypes and layouts, develop and manipulate proportional systems incorporating imagery, understand the importance of audience, concept and hierarchy, create meaningful and dynamic typographic design, and utilize type as image.</td>
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</tr>
<tr>
<td>ART 350 Eastern Thought in Western Art</td>
<td>Eastern Thought in Western Art</td>
<td>4</td>
<td>Spring</td>
<td>Diversity Exploratory</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Study of the impact of the teachings of Eastern Philosophy on modern artists in the West.</td>
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</tr>
<tr>
<td>Course Code</td>
<td>Title</td>
<td>Credit Hours</td>
<td>Prerequisites</td>
<td>Description</td>
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</tr>
<tr>
<td>ART 370</td>
<td>Painting III</td>
<td>3</td>
<td>Prereq: ART 270</td>
<td>A continuation of ART 270, this is an advanced painting experience where students are challenged to express unique personal ideas while developing individual style. Studio format with lectures, demonstrations, group critiques, and individualized instruction. <em>Fee: $30 nonrefundable for cost of all materials.</em></td>
<td></td>
</tr>
<tr>
<td>ART 375</td>
<td>Ceramics III</td>
<td>3</td>
<td>Prereq: ART 275</td>
<td>A continuation of ART 275, this is an advanced ceramic experience where students are challenged to express unique personal ideas while developing individual style. Challenges include large scale and sequential work. Studio format with lectures, demonstrations, group critiques, and individualized instruction. <em>Fee: $75 nonrefundable.</em></td>
<td></td>
</tr>
<tr>
<td>ART 445</td>
<td>Graphic Design IV</td>
<td>4</td>
<td>Prereq: ART 345</td>
<td>Graphic Design IV provides advanced design students practical experience working in a design studio within the Department of Art. Students will create impactful work for real-world clients as they engage in community-based, people-centered design across campus and not-for-profit organizations. This course focuses on client interaction, problem analysis, design solutions, implementation, and professional development.</td>
<td></td>
</tr>
<tr>
<td>ART 470</td>
<td>Painting IV</td>
<td>3</td>
<td>Prereq: ART 370</td>
<td>A continuation of ART 370, this is a class where a student is challenged to further explore their individual interests in paint. The class includes painting from observation and sequential abstraction. Studio format with lectures, demonstrations, group critiques, and individualized instruction. <em>Fee: $30 nonrefundable for cost of all materials.</em></td>
<td></td>
</tr>
<tr>
<td>ART 475</td>
<td>Ceramics IV</td>
<td>3</td>
<td>Prereq: ART 375</td>
<td>A continuation of ART 375, this class is a class where a student is challenged to further explore their individual interests in clay. The class includes individual research of firing, glazing and forming techniques. Studio format with lectures, demonstrations, group critiques, and individualized instruction. <em>Fee: $75 nonrefundable.</em></td>
<td></td>
</tr>
<tr>
<td>ART 482</td>
<td>Art Practicum</td>
<td>1-2</td>
<td>Prereq: consent of instructor</td>
<td>A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.</td>
<td></td>
</tr>
<tr>
<td>Course</td>
<td>Credits</td>
<td>Prereqs/Restrictions</td>
<td>Description</td>
<td></td>
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<tr>
<td><strong>ART 490 Independent Study</strong></td>
<td>1-2</td>
<td>Prereq: departmental &amp; instructor permission</td>
<td>A course designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings.</td>
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</tr>
<tr>
<td><strong>ART 498 (ART HISTORY) Senior Portfolio Review</strong></td>
<td>No</td>
<td></td>
<td>A supervised, pre-approved senior year experience which allows students to review personal learning goals in the field of art history. Pass/Fail.</td>
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</tr>
<tr>
<td><strong>ART 498 (ART STUDIO) Senior Portfolio Review</strong></td>
<td>No</td>
<td></td>
<td>This senior year experience is fulfilled by putting up a personal art show of best works done in the major track field. Pass/Fail.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ART 499 (ART HISTORY or ART STUDIO) Senior Comprehensive Exam</strong></td>
<td>No</td>
<td>Co-req: SNR/SNT 489</td>
<td>Students will take a written or oral exam which covers information from core requirements for the major. Letter graded.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PDP 210 Professional Practices in Fine Arts</strong></td>
<td>3</td>
<td></td>
<td>This course is designed to prepare students to manage their career as they approach graduation (i.e. designers, artists, musicians, theatre artists, and journalists). Students will learn how to effectively promote their skills, price their work, and define their goals to create a plan for success. Emphasis is placed on developing a job search strategy, how to make connections in the industry, how to negotiate salary, how to prepare for an interview, and how to use the student portfolio in an interview. Topics covered will include: how to develop and maintain a resume/curriculum vitae, cover letter, professional photographs of work, artist bio and statement, how to build a professional quality portfolio for presentation to a potential employer or client (various media), grant applications, and writing.</td>
<td></td>
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</tr>
<tr>
<td><strong>SNR/SNT 489 (ART HISTORY) Senior Experience</strong></td>
<td>2-5</td>
<td>Co-req: ART 499</td>
<td>*May replace ONE of the electives if 5 credit hours are completed. This senior or junior year experience is fulfilled by completing a significant project in the field of art history. An internship with an arts organization may also be used. The student must complete at least 70 hours of documented time in practical application and/or research to earn one credit and will meet on a regular basis with the practicum advisor. Pass/Fail.</td>
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<tr>
<td><strong>SNR/SNT 489 (ART STUDIO) Senior Experience</strong></td>
<td>1-5</td>
<td>Co-req: ART 499</td>
<td>This senior or junior year experience is fulfilled by completing a significant project in the field of studio art. An internship with an arts organization may also be used. The student must complete at least 70 hours of documented time in practical application and/or research to earn one credit and will meet on regular basis with the practicum advisor. Students must earn at least a grade of C.</td>
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</tbody>
</table>
Biology

Department: Biology
Department Chair: B. O’Neal
Department Members: K. Harris, A. Heikens, M. Marasco, B. O’Neal, B. Stillabower, A. Yount

Major: Biology (Tracks: Biomedical Sciences, Ecology/Conservation, and Standard)
Minors: Biochemistry, Biology, Environmental Science
Related Major: Neuroscience
Related Minor: Neuroscience

Pre-Professional Programs: Pre-Dental, Pre-Medical, Pre-Medical Technician (See Medical Technology section of the catalog), Pre-Occupational Therapy, Pre-Optometry, Pre-Pharmacy, Pre-Physical Therapy, Pre-Physician’s Assistant, Pre-Podiatry, Pre-Veterinary,

Cooperative Programs: Health-related Professions: Dentistry, Medical Technology, Pharmacy, Public Health

The biology program at Franklin College will provide experiences that help students better understand the nature of science and the role of scientists in society. To fulfill this mission, the program provides courses that stress the important areas of cellular, organismal, systemic and environmental biology. Through laboratory, lecture, and discussion, science is presented not simply as a collection of facts but also as a process by which concepts may be generated. Upon completion of the major, students will have a well-rounded knowledge of biology as well as an understanding of the way to use scientific methodology to solve problems.
**Biology Major**

Completion of the Biology major will require students to complete one of the three following tracks or a Cooperative 3+ Program in Biology. Only one program or track will be recorded on the student’s transcript. Two tracks share a common core (Standard and Ecology/Conservation), and each track has additional biology, chemistry, and related field requirements, plus a Professional Development Program/Senior Year Experience. Cooperative 3+ Programs in Biology have a common core (different from the core for biology tracks) and additional specific requirements for each cooperative program. All biology courses must be completed with a grade of C- or better.

**Core Requirements** (required for both Standard and Ecology/Conservation tracks)
- BIO 134 Principles of Biology
- BIO 140 Cell Biology
- BIO 221 Botany
- BIO 230 Zoology
- BIO 350 Genetics
- BIO 360 Animal Physiology or BIO 215 Human Anatomy and Physiology
- BIO 470 Senior Seminar
- BIO 499 Senior Comprehensive Experience

**Related Field Requirements for Biology Major** (required for all biology tracks)

A grade of D- or better satisfies the requirement for successful completion of the related field courses in math and chemistry.
- CHE 121 General Chemistry I
- CHE 122 General Chemistry II
- CHE 123 General Chemistry I Lab
- CHE 124 General Chemistry II Lab

**Mathematics Related Field Requirement for Biology Major**

One of the following math options (grade of D- or better required).
- **Option 1:** MAT 135 Calculus
- **Option 2:** LA 103 Quantitative Reasoning and MAT 224 Basic Applied Statistics
- **Option 3:** CMP 130 Introduction to Computing and MAT 224 Basic Applied Statistics
- **Option 4:** MAT 131 Introduction to Quantitative Analysis and MAT 224 Basic Applied Statistics
- **Option 5:** MAT 224 Basic Applied Statistics (only if previously placed into MAT 135)

**Biology Professional Development Program/Senior Year Experience**

- BIO/CHE 390 Professional Development Planning
- INT XXX Internship (≥ 3 hours of credit)

(INT XXX must be completed during the summer prior to or during the senior year. BIO 390 is a prerequisite for INT XXX.)
Biology Major - Standard Biology Track
In addition to the core and PDP/SYE requirements, students must take the following:

One of the following courses
- BIO 240 Ecology
- BIO 322 Ornithology
- BIO 335 Plant Communities

Plus: A minimum of 6 hours from Biology courses numbered BIO 210-392 (except BIO 390). Students may count one cross-listed course taught by another department toward their 6 hours (i.e., only one of the following: BIO 372/372L, BIO 387/387L, or BIO 355). Students may count either BIO 215 or BIO 360 as part of this 6-hour requirement, but not both.

Biology Major - Ecology/Conservation Track
In addition to the core and PDP/SYE requirements, students must take the following:

- BIO 240 Ecology
- BIO 320 Conservation Biology
- BIO 322 Ornithology
- BIO 335 Plant Communities
- BIO 365 Geographic Information Systems
- ENG 228 Advanced Composition
- ESC 118 Earth Science
- MAT 224 Basic Applied Statistics

One of the following domestic travel courses (See Self Service for modest course fee)
- BIO 342 Ecosystem Management
- BIO 380 Field Biology

One of the following courses
- POL 225 State and Local Government
- POL 336 Introduction to Public Policy

Recommended courses
- BIO 375 Undergraduate Research in Biology or Chemistry
- BIO 382 Comparative Animal Behavior
- CMP 130 Introduction to Computing
- REL 210 Religion and the Environment
Biology Major – Biomedical Sciences Track

**Students in this track must maintain a GPA of 3.25 or better to remain in the track. Students who do not maintain this GPA must switch to the Standard Biology Track.**

**Required courses**
- BIO 134 Principles of Biology
- BIO 140/140L Cell Biology + Lab
- BIO 215 Human Anatomy and Physiology II OR BIO 360 Animal Physiology
- BIO 221 Botany OR BIO 230 Zoology
- BIO 225 Bioethics
- BIO 310 Immunology
- BIO 350 Genetics
- BIO 373 Microbiology
- BIO 374 Advanced Cell and Molecular Biology OR BIO 392 Techniques in Biochemistry and Biotechnology
- BIO 375 Undergraduate Research
- BIO 470 Senior Seminar
- BIO 499 Senior Comprehensive Exam

**Related field courses**
- CHE 121/123 General Chemistry I + Lab
- CHE 122/124 General Chemistry II + Lab
- CHE 221/223 Organic Chemistry I + Lab
- CHE 222/224 Organic Chemistry II + Lab
- CHE 334 Biochemistry
- PHY 201/203 General Physics I (Algebra-based)+Lab
- PHY 202/204 General Physics II (Algebra-based)+Lab
- MAT 224 Basic Applied Statistics
- PSY 117 General Psychology
- SOC 118 Introduction to Sociology

**Biomedical Sciences Professional Development Program/Senior Year Experience**
- BIO 390 Professional Development Planning
- INT 151 Medical Internship (minimum of 3 credits)

**Recommended courses**
- BUS 101 Introduction to the Business Mindset
- BUS 102 Development of the Entrepreneurial Mindset
- FRE 210 or SPA 210 Intermediate French I or Intermediate Spanish I
- PHY 355/BIO 355 Ultrasonography
- PHY 357 Biomedical Optics
- PSY 416 Health Psychology
Neuroscience Major
Please see separate Neuroscience section in this course catalog.

Biology Minors
All courses must be completed with a grade of C- or better.

Standard Biology Minor

Core Requirements
- BIO 134 Principles of Biology
- BIO 140 Cell Biology

Plus - An additional 14 credits from BIO 210-392
(BIO 225 cannot count towards both a Biology minor and the Reasoning and Values exploratory course). These 14 hours may include either BIO 372 or BIO 387, but not both. Only 8 of the 14 hours can come from BIO 210, BIO 215, and BIO 360.

Biochemistry Minor
(Available to non-biology and non-chemistry majors only)

Required courses
- BIO 134 Principles of Biology
- BIO 140 Cell Biology
- BIO/CHE 334 Biochemistry
- BIO/CHE 392 Techniques in Biotechnology & Biochemistry
- CHE 222 Organic Chemistry II
- CHE 224 Organic Chemistry Lab II

One of the following courses
- BIO 215 Human Anatomy and Physiology II or BIO 360 Animal Physiology
- BIO 373 Microbiology

Recommended Course
- BIO 375 Undergraduate Research in Biology or Chemistry
Environmental Science Minor
(Available to non-biology majors only)

Core Requirements
- BIO 134 Principles of Biology
- BIO 240 Ecology
- BIO 320 Conservation Biology
- BIO 380 Field Biology
- ESC 118 Earth Science
- INT XXX Environmental Science Internship

One of the following courses
- BIO 322 Ornithology
- BIO 335 Plant Communities

One of the following courses
- ECO 115 Introduction to Economics
- POL 110 American National Government
- SOC 118 Introduction to Sociology

Neuroscience Minor
Please see separate Neuroscience section in this course catalog.
Pre-Health Professions Programs
Franklin College offers pre-health professions advising to students who are interested in applying to medical school or other health-related professional schools. For more information or questions, please contact the respective faculty member for each profession. Additional information regarding pre-professional program requirements are located on the Franklin College website at http://www.franklincollege.edu/academics/division-of-natural-science/health-professions/

- Pre-Med (allopathic and osteopathic) and Pre-podiatry - Dr. Yount
- Pre-Pharmacy - Dr. Wei
- Pre-Dentistry –Dr. O’Neal
- Pre-Veterinary Medicine - Dr. O’Neal
- Pre-Optometry - Dr. Thapaliya
- Pre-Physician’s Assistant – Dr. Heikens
- Pre-Medical Technology - Dr. Thapaliya
- Pre-Physical Therapy – Dr. Heikens
- Pre-Occupational Therapy - Dr. Heikens

Cooperative Programs in Biology
All cooperative programs for the biology major consist of a common core and specific courses required for each particular program. After completion of three years of college work in one of these programs and fulfilling Franklin College graduation requirements (except total graduation hours), students may receive a bachelor of arts degree from Franklin College upon completing one year at the cooperating institution, for a total of 120 semester hours. Successful completion of the first year in the cooperative program satisfies the internship or senior year experience requirement for the major. Any student following these programs who is not accepted by the cooperating institution after the third year could return to Franklin College and receive a bachelor of arts in biology by completing: 1) all of the remaining requirements for the biology major standard program, and 2) 120 total semester hours required for graduation. (Students with a declared enrollment in the aforementioned cooperative programs will be given priority during registration in subsequent semester(s)).

Cooperative Programs in Health-related Professions

Core Requirements
- BIO 134 Principles of Biology
- BIO 140 Cell Biology
- BIO 350 Genetics
- BIO 390 Professional Development Planning
- BIO 470 Biology Seminar
- BIO 499 Senior Competency Practicum
- CHE 121 & 123 General Chemistry I & Lab
- CHE 122 & 124 General Chemistry II & Lab

Mathematics Requirement
One of the following math options

Option 1: MAT 135 Calculus
Option 2: LA 103 Quantitative Reasoning and MAT 224 Basic Applied Statistics
Option 3: CMP 130 Introduction to Computing and MAT 224 Basic Applied Statistics
Option 4: MAT 131 Introduction to Quantitative Analysis and MAT 224 Basic Applied Statistics
Option 5: MAT 224 Basic Applied Statistics (only if previously placed into MAT 135)
One of the following courses
   BIO 221 Botany
   BIO 230 Zoology
   BIO 240 Ecology

Biology/Chemistry Professional Development Program/Senior Year Experience
Successful completion of the first year in the cooperative program satisfies the internship or senior year experience requirement for the major.

Plus additional specific program requirements - choose one of the four following programs

A. Medical Technology at Franciscan St. Francis Health or IU Health Methodist Hospital Clinical Laboratory Science Program
   BIO 215 Human Anatomy and Physiology II or BIO 360 Animal Physiology
   BIO 373 Microbiology
   BIO/CHE 334 Biochemistry
   CHE 221 & CHE 223 Organic Chemistry I and Lab
   CHE 222 & CHE 224 Organic Chemistry II and Lab
   Plus: Completion of the clinical program at Franciscan St. Francis Health or IU Health Methodist Hospital.

B. Doctor of Pharmacy at Purdue University
   BIO 215 Human Anatomy and Physiology II
   BIO 373 Microbiology
   CHE 221 & CHE 223 Organic Chemistry I and Lab
   CHE 222 & CHE 224 Organic Chemistry II and Lab
   ECO 115 Principles of Economics
   MAT 140 Introduction to Mathematical Sciences
   MAT 142 Calculus II
   PHY 201 or 211 & 203 General Physics I and Lab
   BIO 310 Immunology

C. Dentistry at most accredited dental schools
   BIO 215 Human Anatomy and Physiology II
   BIO/CHE 334 Biochemistry
   CHE 221 & CHE 223 Organic Chemistry I and Lab
   PHY 201 or 211 & 203 General Physics I and Lab
   PHY 202 or 212 & 204 General Physics II and Lab
   PSY 117 General Psychology
   Plus completion of the DAT no later than the fall of the junior year.
   IU Dental School strongly suggests
   BIO 373 Microbiology
   BIO/CHE 392 Techniques in Biotechnology and Biochemistry

D. Masters of Public Health at IUPUI Richard M. Fairbanks School of Public Health
   BIO 215 Human Anatomy and Physiology II
   BIO 230 Zoology
   BIO 373 Microbiology
   BIO electives (6 hours)
   CHE 221 & CHE 223 Organic Chemistry I and Lab
Post-Baccalaureate Nursing Programs
The most direct, and efficient route to a career in nursing is to enroll in a college with an accredited nursing program. Franklin College does not offer such a program. For students desiring the benefits of an undergraduate degree in biology plus professional training in nursing, several schools in the Midwest offer post-baccalaureate programs in nursing that may be completed in 18-24 months after finishing an undergraduate degree. Students interested in such a career path should consult with their academic advisor.

Pre-Physician Assistant (PA) Studies at Franklin College
Franklin College offers all of the prerequisite courses required for application to the current PA programs in the State of Indiana and for most of the PA programs throughout the country. Those courses (required and recommended) are listed below. These courses must be completed in addition to any courses required for your major or for graduation from Franklin College. Only one prerequisite course can be in-progress when you submit your application (all other required classes should already be completed and passed with at least a C), but must be completed by the end of that semester (usually Fall, Senior year)

Franklin College has a PA program. Please reference the appropriate section of this course catalog for the specific required and recommended courses, as well as additional admission guidelines for the Franklin College PA program.

Required Classes for PA School
The following are specific pre-requisites necessary for admittance to the current PA graduate programs in the State of Indiana (in addition the ones required for your major)

Required Classes*
- BIO 215 Human Anatomy & Physiology II
- BIO 134 & BIO 140 – General Biology (2 semesters)
- BIO/CHE 334 Biochemistry (Butler & USF), BIO 334 has a CHE 222 prerequisite
- BIO 373 Microbiology
- CHE 121, 122, 123 & 124 General Chemistry I and II with labs (2 semesters)
- CHE 221 & CHE 223 – Organic Chemistry I and lab (1 semester – only offered in the fall)
- KIN 121 Medical Terminology and Documentation
- MAT 224 Basic Applied Statistics (offered each semester)
- PHY 201 General Physics I (certain schools but none in Indiana)
- PSY 117 General Psychology (offered each semester)
- PSY elective – 1 additional behavioral/social science class (USF/Butler requires 6 credit hours)

Recommended Classes*
- BIO 225 Bioethics
- BIO 350 Genetics – spring every year (ISU requires this or BIO 225)
- BIO 374 Advanced Cell and Molecular Biology (offered alternate years)
- CHE 222 & CHE 226 Organic Chemistry II (ISU/Butler/USF)
- CPR certification

* PA perquisites often change and differ from school to school. It is the responsibility of the applicant to carefully check the specific program prerequisites for any PA program that they intend to apply.
GPA
The minimum GPA for most schools (both cumulative and Math/Science GPA) is 3.0 (Butler is 3.4). However, admission to PA programs is highly competitive and a much higher than the minimum is normally required for admission.

Possess direct patient care experience
(required for: FC/IUPUI/USF and recommended for Butler/ISU)

- Check with school that you are applying to what constitutes direct-care hours.
- The most direct and responsible forms of patient care come from experience in a compensated position and are preferred.
- Clinical components of the educational experience required for other health care professions are considered, but may not totally fulfill this requirement.
- Volunteer activities and/or appropriate life experience will be considered, but will not totally fulfill this requirement.
- Some schools require some PA shadowing hours – check with schools that you are applying to.

GRE
Most schools require the GRE (Graduate Record Examination) while some schools will accept MCAT (Medical College Admissions Test) scores in place of GRE scores. Check with each school that you apply to for specific details.
### Biology Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 001 Laboratory Assistant</td>
<td>1 credit hour</td>
<td></td>
<td>Fall and Spring</td>
<td>Prereq: permission of the instructor</td>
</tr>
</tbody>
</table>

Students will assist a faculty member in setting up the labs, lab instruction, research, or maintaining biological facilities. While doing this, students will learn proper laboratory procedure techniques. The course is highly recommended for graduate school bound students or students interested in science teaching. Counts as an activity course credit.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 114 General Biology</td>
<td>4 credit hours</td>
<td></td>
<td>Fall and Spring</td>
<td>Scientific Thinking exploratory</td>
</tr>
</tbody>
</table>

Explores the functional and organizational principles of life from the cellular to the ecosystem level using evolutionary theory as the unifying framework. Topics in human and plant biology are used to illustrate basic biological concepts. Three hours lecture, two hours laboratory.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 121 Medical Terminology and Documentation for Allied Health Professions</td>
<td>2 credit hours</td>
<td></td>
<td>Fall</td>
<td></td>
</tr>
</tbody>
</table>

This course presents a basic study of medical terminology. Prefixes, suffixes, root words, combining forms, special endings, plural forms, abbreviations, and symbols are included in the content. This course is intended to assist those studying in medical and allied health-care fields by learning a system for defining, using, spelling, and pronouncing medical words. Basic principles of documentation and the various forms used by allied health-care professionals are also encompassed in this course. Same as KIN 121.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 134 Principles of Biology</td>
<td>4 credit hours</td>
<td></td>
<td>Fall</td>
<td>Scientific Thinking exploratory</td>
</tr>
</tbody>
</table>

This course is the first semester of a two semester sequence in biology for biology and chemistry majors. The purpose of this course is to provide science majors with a basic understanding of biology and aid in the development of critical thinking skills. Topics including Mendelian and population genetics, natural selection and evolution will be discussed. Four hours lecture and discussion, two hours laboratory.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 140 Cell Biology</td>
<td>4 credit hours</td>
<td></td>
<td>Spring</td>
<td>Prereq: minimum grade of C- in BIO 134, or permission of the instructor Coreq: BIO 140L</td>
</tr>
</tbody>
</table>

A detailed understanding of cells will be developed in relationship to the following topics: ultra structure, biochemistry, metabolism, reproduction, molecular genetics, gene regulation, membrane transport, photosynthesis and respiration. Four hours lecture and discussion, two hours laboratory. Must be taken concurrently with BIO 140L.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 140L Cell Biology Lab</td>
<td>No credit</td>
<td></td>
<td>Spring</td>
<td>Prereq: minimum grade of C- in BIO 134, or permission of the instructor Coreq: BIO 140</td>
</tr>
</tbody>
</table>

Lab portion of Cell Biology. Must be taken concurrently with BIO 140.
### BIO 205 Environmental Issues  
**3 credit hours**

<table>
<thead>
<tr>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring, even academic years</td>
<td>Civic Learning exploratory</td>
</tr>
<tr>
<td>Fall, odd academic years</td>
<td></td>
</tr>
</tbody>
</table>

In this interdisciplinary course, students will examine various environmental issues of the 21st century. Governmental agencies, nonprofit organizations, and grassroots efforts will be examined as students learn how to actively address global issues. This course is intended for non-biology majors, and may not be taken if credit for BIO 320 has been earned.

### BIO 210 Human Anatomy and Physiology I  
**4 credit hours**

<table>
<thead>
<tr>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Prereq: BIO 140</td>
</tr>
</tbody>
</table>

This is the first of a two-semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. The first semester covers an introduction to scientific principles, principles of cell biology, histology, the integumentary, skeletal, muscular, and respiratory systems. The laboratory includes physiological investigations, and dissections of fetal pigs and vertebrate organs. Three hours lecture, two hours laboratory.

### BIO 215 Human Anatomy and Physiology II  
**4 credit hours**

<table>
<thead>
<tr>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>Prereq: BIO 210</td>
</tr>
</tbody>
</table>

This is the second of a two-semester sequence in which human anatomy and physiology are studied using a body systems approach with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. The second semester covers the nervous, endocrine, cardiovascular, lymphatic, digestive, urinary and reproductive systems. The laboratory includes physiological investigations, and dissections of cats and vertebrate organs. Three hours lecture, three hours laboratory.

### BIO 221 Botany  
**4 credit hours**

<table>
<thead>
<tr>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>Prereq: BIO 140</td>
</tr>
</tbody>
</table>

Principles of form, function, growth, reproduction, physiology, classification and evolution in algae, fungi and plants. Flowering plants will be keyed. Three hours lecture, three hours laboratory.

### BIO 225 Bioethics  
**3 credit hours**

<table>
<thead>
<tr>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Reasoning and Values exploratory</td>
</tr>
</tbody>
</table>

In this course students will explore ethical issues relating to medicine and scientific research. Each topic will be examined using a values-based analysis, and awareness of leadership principles. Emphasis will be on biological principles, decision-making, and conflict management. Specific topics will include: use of humans in research, genetics and fertility, end of life issues, and topics concerning embryos, cloning, and genetic engineering.

### BIO 230 Zoology  
**4 credit hours**

<table>
<thead>
<tr>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Prereq: BIO 140</td>
</tr>
</tbody>
</table>

A survey of animals with an emphasis on evolution, structure, function, and life cycles of representative taxa. Three hours lecture and three hours lab.

### BIO 240 Ecology  
**4 credit hours**

<table>
<thead>
<tr>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Prereq: BIO 140 or consent of instructor</td>
</tr>
</tbody>
</table>

Relationship of plants and animals to their biological and physical environment, particularly in Indiana. Field trips to representative habitats. Three hours lecture, three hours laboratory.
<table>
<thead>
<tr>
<th><strong>BIO 300 Topics in Biology</strong></th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>On demand</strong></td>
<td></td>
</tr>
</tbody>
</table>

A topic of current interest in biology will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.

<table>
<thead>
<tr>
<th><strong>BIO 310 Principles of Immunology</strong></th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall, odd academic years</strong></td>
<td>Prereq: BIO 140</td>
</tr>
</tbody>
</table>

A foundational course in immunology, which explores how human health depends on the immune system’s ability to detect and destroy invading pathogens. Mechanisms of innate and adaptive immunity will be emphasized. The course is targeted towards students interested in pursuing careers in biotechnology, medicine, and health-related research.

<table>
<thead>
<tr>
<th><strong>BIO 320 Conservation Biology</strong></th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall, odd academic years</strong></td>
<td>Civic Learning exploratory</td>
</tr>
<tr>
<td><strong>Prereq: BIO 140</strong></td>
<td>Prereq or Coreq: BIO 240</td>
</tr>
</tbody>
</table>

In this course, students will be immersed into the principles of conservation biology. Important topics include species diversity, habitat preservation, habitat management, invasive species, endangered species, ecological economics, global climate change, and various legislation that impacts conservation biology. As a Civic Learning course, we will also examine government authorities associated with conservation biology and learn how to effectively communicate/advocate to stakeholders and decision-makers. Students who are enrolled in or have earned credit for BIO 205 must petition the Biology department to enroll in BIO 320.

<table>
<thead>
<tr>
<th><strong>BIO 322 Ornithology</strong></th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spring, even academic years</strong></td>
<td></td>
</tr>
</tbody>
</table>

A comprehensive study of birds with an emphasis on morphology, taxonomy, identification, evolution, ecology, and conservation. Two hours lecture, three hours laboratory.

<table>
<thead>
<tr>
<th><strong>BIO 334 Biochemistry</strong></th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spring</strong></td>
<td>Prereq: BIO 140, CHE 221 and CHE 223</td>
</tr>
</tbody>
</table>

An introduction to the chemistry of biomolecules, metabolism, and biosynthesis. Three hours lecture. Note: This course may count toward either a Biology major or a Chemistry major, but not both. Same as CHE 334.

<table>
<thead>
<tr>
<th><strong>BIO 335 Plant Communities</strong></th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall, even academic years</strong></td>
<td>Prereq: BIO 114 or BIO 134</td>
</tr>
</tbody>
</table>

An introduction to the plant communities in Indiana with emphasis on plant identification, plant associations, and exotic species. Two hours lecture, three hours laboratory.

<table>
<thead>
<tr>
<th><strong>BIO 342 Ecosystem Management</strong></th>
<th>2 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spring, even academic years</strong></td>
<td></td>
</tr>
</tbody>
</table>

An immersive, field-based study of the natural resources and socioeconomic realities of complex ecosystems such as the Mississippi Delta and associated coastal marshes of Louisiana. Students will gain firsthand knowledge of the methods used by contemporary biologists to study and conserved plants and wildlife. This course includes a week-long field trip over spring break with significant amounts of travel, hiking, wading, boating, kayaking, angling, and time outdoors.

<table>
<thead>
<tr>
<th><strong>BIO 350 Genetics</strong></th>
<th>4 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spring</strong></td>
<td>Prereq: BIO 140, junior status or consent of instructor</td>
</tr>
</tbody>
</table>

A study of the principles of heredity, including Mendelian, molecular, and population genetics. Three hours lecture, two hours laboratory.
### BIO 355 Ultrasonography

| Spring, odd academic years, rotating with PHY 365 | Prereq: BIO 210 & 215 or ANAT 210 & 220 or BIO 360 or consent of instructor |

Ultrasound is integrated in the health professions and medical education curriculum extensively because of its non-invasive nature and diagnostic utility. The course is divided into four sections: introductory ultrasonography, musculoskeletal, cardiovascular, and abdominal ultrasonography. The course provides hands-on training for proper utilization and appropriate operation of ultrasound equipment to assess various regions of the body, as well as a review of Focused Assessment with Sonography in Trauma (FAST) assessment. Same as PHY 355.

### BIO 360 Animal Physiology

| Fall, even academic years | Prereq: BIO 140; CHE 121 and 122 |

Explores the chemistry and physics of the living animal. Topics include cellular physiology, metabolism, organ systems, and mechanisms of control. Emphasis is placed on specific adaptive mechanisms of the animal to its environment. The course stresses interpretation of experimental results both in the lecture and lab. Three hours lecture, three hours laboratory.

### BIO 365 Geographic Information Systems

| Spring, odd academic years |  |

An experiential study of spatial analysis and cartography using geographic information systems (GIS). Students will engage in project-based learning to develop the fundamental skills needed to use the industry’s leading software tool, ArcGIS. As technical consultants, we will create maps and conduct spatial analyses to assist local non-profit organizations in their conservation objectives.

### BIO 372 Exercise Physiology

| Fall | Prereq: BIO 215 or ANAT 210/210L and ANAT 220/220L and admittance into the Exercise Science or Education program or consent of instructor Co-req: BIO 372L |

Exercise physiology is the study of acute and chronic adaptations of the body’s physiological systems to movement and physical conditioning. Physiological foundations and the development of physiological fitness components will be discussed. A laboratory component is integrated into class sessions. Same as EXE 372.

### BIO 372L Exercise Physiology Lab

| Fall | Co-req: BIO 372 |

Lab component to BIO 372 Exercise Physiology. Same as EXE 372L.

### BIO 373 Microbiology

| Fall | Prereq: BIO 140 and consent of instructor |

Morphology, classification, physiology, genetics, and cultivation of bacteria. The relationship of micro-organisms to human health and the human immune system is discussed in detail. Three hours lecture, three hours laboratory.
**BIO 374 Advanced Cell and Molecular Biology**

<table>
<thead>
<tr>
<th>3 credit hours</th>
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</thead>
<tbody>
<tr>
<td>Spring, odd years</td>
</tr>
<tr>
<td>Prereq: BIO 140 is required, BIO 350 is preferred but not required.</td>
</tr>
</tbody>
</table>

This course is an in-depth, advanced look at cellular and molecular processes applicable to both research and medicine. Mechanisms of DNA repair, transcription and translation regulation, cell communication and cellular transport will be discussed. Much of this course will rely on the analysis of primary literature and interpretation of experimental data to understand cell biology in the context of cancer and other cellular dysfunctions. The course is 3 hours of lecture with no laboratory component.

**BIO 375 Undergraduate Research in Biology or Chemistry**

<table>
<thead>
<tr>
<th>2 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prereq: consent of instructor</td>
</tr>
</tbody>
</table>

To receive academic credit for an undergraduate research experience students must complete a project proposal endorsed by a sponsoring science faculty member. The application will contain an overview of the project, specific project goals, deadlines for the completion of the project, and specific project outcomes that will be evaluated and used to determine the final grade. All projects must meet the following criteria: a) spending an average of 6 hours/week during the semester (for 2 credits) working on the project; b) writing a scientific paper summarizing the results of the study; c) preparing an electronic poster of the project results; d) maintaining a lab notebook, and e) presenting the results of the project to an audience. The project must be approved by the Chair (or designee) of the sponsoring department.

**BIO 380 Field Biology**

<table>
<thead>
<tr>
<th>2 credit hours</th>
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<tbody>
<tr>
<td>Spring, odd academic years</td>
</tr>
<tr>
<td>Prereq: BIO 134 and consent of instructor</td>
</tr>
</tbody>
</table>

This course meets once a week for the entire semester and has a one week field trip during Spring Break to a distinctive ecosystem (e.g., Smoky Mountains). Natural history and ecological analysis of animal and plant communities are emphasized. Students conduct a research project that is presented to the class and public in addition to keeping a detailed journal that includes both scientific information and reflections of the experience. Hiking and other outdoor skills are required.

**BIO 382 Comparative Animal Behavior**

<table>
<thead>
<tr>
<th>3 credit hours</th>
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<tbody>
<tr>
<td>Spring, odd academic years</td>
</tr>
<tr>
<td>Prereq: BIO 140</td>
</tr>
</tbody>
</table>

A study of how and why animals do what they do (i.e., the proximate and ultimate cause of animal behavior). Students investigate the genetic and sensory/motor mechanisms of behavior, the possible evolutionary histories of behavior, the effects of behavior on fitness, and the role of behavioral ecology in conservation.

**BIO 387 Biomechanics**

<table>
<thead>
<tr>
<th>3 credit hours</th>
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</thead>
<tbody>
<tr>
<td>Spring</td>
</tr>
<tr>
<td>Prereq: BIO 215 or ANAT 210/210L and ANAT 220/220L, and EXE 372/372L</td>
</tr>
<tr>
<td>Co-req: BIO 387L</td>
</tr>
</tbody>
</table>

The course will provide the student with a mechanical examination of the motion of the human body. Application of anatomical, physiological and mechanical data will be used to explain and predict movements of the body to improve technique or prevent injury. A laboratory experience is integrated into class sessions. Same as EXE 387.

**BIO 387L Biomechanics Lab**

| No credit |
| Spring |
| Co-req: BIO 387 |

Lab component to BIO 387 Biomechanics. Same as EXE 387L.
### BIO 390 Professional Development Planning

1 credit hour  
Fall and Spring  

The primary objective of this course is to prepare students for the Professional Development Experience and chosen careers. Students will participate in professional development workshops. **Course Fee: $20.**

### BIO 392 Techniques in Biotechnology and Biochemistry

3 credit hours  
Spring, even years  
Prereq: BIO 140, CHE 121, & CHE 122

Students in this course will investigate the myriad of technology available to study DNA, RNA and proteins covering both the theories and applications in research, medical, and industrial settings. Techniques covered will include use of prokaryotic and eukaryotic organisms in recombinant DNA technologies, gene expression microarrays, protein analysis by Western blot, and protein interaction analysis in yeast and higher eukaryotes. Lab work involves using techniques which are the foundation for research in molecular biology. Four hours laboratory. Note: This course may count toward either a Biology major or a Chemistry major, but not both. Same as CHE 392.

### BIO 470 Biology Seminar

2 credit hours  
Fall and spring  
Prereq: At least junior class standing and prerequisites of BIO 221, BIO 230 and BIO 390  
Coreq: BIO 499

Students explore and summarize the scientific literature related to an individual topic and present their findings in a formal review paper and a public presentation.

### BIO 482 Biology Practicum

1-2 credit hours  
Prereq: instructor permission

A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.

### BIO 490 Independent Study

1-2 credit hours  
Prereq: Departmental consent is required

Course is designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in regular departmental course offerings.

### BIO 499 Senior Competency Practicum

No credit  
Fall and Spring  
Coreq: BIO 470

An examination (i.e., Major Field Test) covering basic biological principles. Grade of D- or better required.

### PDP 301 Medical School Admission Preparation

1 credit hour  
Spring

This course will help students to prepare for application to medical school. Topics covered will include: 1) the medical school admissions/application process, 2) the medical school interview, 3) alternative careers to medicine, and 4) preparation for the standardized admissions test to medical school (MCAT). The latter topic will be a major emphasis in the course. Pass/Fail.
Business

Department: Economics, Business, and Accounting
Department Chair: S. Scheer
Department Members: C. Fleming, E. Jones, S. Scheer, J. Squires, J. VanAndel

Major: Business (Concentrations: Finance, Marketing, Management, Economics, Accounting, Non-Profit Administration, and Individualized)
Minor: Business

The department provides theoretical and practical education in these programs: economics, business, and accounting. Majors and minors are offered in each of these programs.

The business curriculum is designed to provide students with a working knowledge of economics, accounting, and the major applied disciplines of management, marketing, and finance, as well as specialized expertise in one of the seven concentrations open to business majors. Students completing the major will be prepared for employment in managerial, marketing, or financial positions, or for graduate study in business. The department requires students to complete one internship and encourages students to do two.

A major or minor in business requires the student to have a minimum graduation GPA of 2.00 (A=4.00) in all required major/minor courses and to complete with grades of C- or better all coursework for the major, minor, and related field. Furthermore, regardless of major, all students taking business courses must complete all prerequisites with a C- or better.

Students who excel in the program have the opportunity to join Delta Mu Delta, the national business honor society. Juniors and seniors who have earned an overall GPA of 3.3. at the time of invitation are eligible to join. Additionally, many scholarships are available to students who excel in the program.
**Business Major - Finance Concentration**

Note: Business majors must complete BUS 101, BUS 102, ECO 115, ECO 221, ECO 223, ACC 221, ACC 222, ACC 235, MAT 131, and MAT 224 with a ‘C-’ or better before enrolling in 300 or 400-level course in the department.

**Core Requirements**
- BUS 101 Introduction to The Business Mindset
- BUS 102 Development of the Entrepreneurial Mindset
- BUS 341 Business Law I
- BUS 351 Business Finance
- BUS 361 Contemporary Marketing
- BUS 371 Operations Management
- BUS 475 Strategic Implementation Project
- BUS 499 Senior Competency Practicum
- ACC 235 Data Management and Analysis
- ECO 115 Principles of Economics
- MAT 131 Introduction to Quantitative Analysis
- MAT 224 Basic Statistics

**Professional Development Requirements**
- BUS 498 Portfolio
- INT XXX Business Internship (Senior Year Experience)
- PDP 200 Preparing for Your Internship

**Related Field Requirements**
- ACC 221 Principles of Accounting I
- ACC 222 Principles of Accounting II
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics
- CMP 130 Introduction to Computing

**Concentration Requirements**
- BUS 352 Investments
- BUS/ECO 380 Econometrics

Three of the following courses (a maximum of one (1) course from the list of electives may be used to fulfill electives of additional business concentrations)
- ACC 321 Managerial-Cost Accounting
- ACC 341 Introduction to Taxation
- BUS/ECO 350 International Business & Finance
- BUS 353 Principles of Risk and Insurance
- ECO 330 Money and Banking
- SNT 489 Senior Internship Project

**Note:** Many non-business courses that can be used for business tracks have prerequisites. Students who plan to take non-business courses should take care to schedule the prerequisites.
**Business Major - Marketing Concentration**

Note: Business majors must complete BUS 101, BUS 102, ECO 115, ECO 221, ECO 223, ACC 221, ACC 222, ACC 235, MAT 131, and MAT 224 with a ‘C-’ or better before enrolling in 300 or 400-level course in the department.

**Core Requirements**

- BUS 101 Introduction to The Business Mindset
- BUS 102 Development of the Entrepreneurial Mindset
- BUS 341 Business Law I
- BUS 351 Business Finance
- BUS 361 Contemporary Marketing
- BUS 371 Operations Management
- BUS 475 Strategic Implementation Project
- BUS 499 Senior Competency Practicum
- ACC 235 Data Management and Analysis
- ECO 115 Principles of Economics
- MAT 131 Introduction to Quantitative Analysis
- MAT 224 Basic Statistics

**Professional Development Requirements**

- BUS 498 Portfolio
- INT XXX Business Internship (Senior Year Experience)
- PDP 200 Preparing for Your Internship

**Related Field Requirements**

- ACC 221 Principles of Accounting I
- ACC 222 Principles of Accounting II
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics
- CMP 130 Introduction to Computing

**Concentration Requirements**

- BUS/ECO 362 Consumer Behavior
- BUS/ECO 380 Econometrics

**Three of the following courses (a maximum of one (1) course from the list of electives may be used to fulfill electives of additional business concentrations)**

- ART 140 Graphic Design
- BUS 340 Business Organization and Public Policy
- CMP 360 Operations Research
- MMJ 445 Communications Law in a Digital World
- PRL 222 Social Media Strategy and Tactics
- PSY 320 Social Psychology
- PSY 328 Cognitive Psychology
- SNT 489 Senior Internship Project

*Note: Many non-business courses that can be used for business tracks have prerequisites. Students who plan to take non-business courses should take care to schedule the prerequisites.*
**Business Major - Management Concentration**

Note: Business majors must complete BUS 101, BUS 102, ECO 115, ECO 221, ECO 223, ACC 221, ACC 222, ACC 235, MAT 131, and MAT 224 with a ‘C-’ or better before enrolling in 300 or 400-level course in the department.

**Core Requirements**

- BUS 101 Introduction to The Business Mindset
- BUS 102 Development of the Entrepreneurial Mindset
- BUS 341 Business Law I
- BUS 351 Business Finance
- BUS 361 Contemporary Marketing
- BUS 371 Operations Management
- BUS 475 Strategic Implementation Project
- BUS 499 Senior Competency Practicum
- ACC 235 Data Management and Analysis
- ECO 115 Principles of Economics
- MAT 131 Introduction to Quantitative Analysis
- MAT 224 Basic Statistics

**Professional Development Requirements**

- BUS 498 Portfolio
- INT XXX Business Internship (Senior Year Experience)
- PDP 200 Preparing for Your Internship

**Related Field Requirements**

- ACC 221 Principles of Accounting I
- ACC 222 Principles of Accounting II
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics
- CMP 130 Introduction to Computing

**Concentration Requirements**

- ACC 321 Managerial-Cost Accounting
- BUS/ECO 360 Labor Economics and Management

**Three of the following courses (a maximum of one (1) course from the list of electives may be used to fulfill electives of additional business concentrations)**

- BUS/ECO 340 Business Organization and Public Policy
- BUS/ECO 380 Econometrics
- CMP 360 Operations Research
- LEA 220 Leadership: Foundations, Theory, and Practice
- PHL 220 Principles of Ethics
- PSY 250 Industrial Organizational Psychology
- PSY 315 Psychology of Diversity
- PSY 320 Social Psychology
- PSY 328 Cognitive Psychology
- PSY 421 Theories of Personality
- SOC 230 Introduction to Nonprofits
- SOC 323 Organizations
- SNT 489 Senior Internship Project
Note: Many non-business courses that can be used for business tracks have prerequisites. Students who plan to take non-business courses should take care to schedule the prerequisites.

Business Major – Economics Concentration

Note: Business majors must complete BUS 101, BUS 102, ECO 115, ECO 221, ECO 223, ACC 221, ACC 222, ACC 235, MAT 131, and MAT 224 with a ‘C-’ or better before enrolling in 300 or 400-level course in the department.

Core Requirements
- BUS 101 Introduction to The Business Mindset
- BUS 102 Development of the Entrepreneurial Mindset
- BUS 341 Business Law I
- BUS 351 Business Finance
- BUS 361 Contemporary Marketing
- BUS 371 Operations Management
- BUS 475 Strategic Implementation Project
- BUS 499 Senior Competency Practicum
- ACC 235 Data Management and Analysis
- ECO 115 Principles of Economics
- MAT 131 Introduction to Quantitative Analysis
- MAT 224 Basic Statistics

Professional Development Requirements
- BUS 498 Portfolio
- INT XXX Business Internship (Senior Year Experience)
- PDP 200 Preparing for Your Internship

Related Field Requirements
- ACC 221 Principles of Accounting I
- ACC 222 Principles of Accounting II
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics
- CMP 130 Introduction to Computing

Concentration Requirements
- BUS/ECO 360 Labor Economics and Management
- BUS/ECO 380 Econometrics

Three of the following courses (a maximum of one (1) course from the list of electives may be used to fulfill electives of additional business concentrations)
- ECO 330 Money and Banking
- BUS/ECO 340 Business Organization and Public Policy
- BUS/ECO 350 International Business and Finance
- BUS/ECO 362 Consumer Behavior
- SNT 489 Senior Internship Project

Note: Many non-business courses that can be used for business tracks have prerequisites. Students who plan to take non-business courses should take care to schedule the prerequisites.
**Business Major – Accounting Concentration**

Note: Business majors must complete BUS 101, BUS 102, ECO 115, ECO 221, ECO 223, ACC 221, ACC 222, ACC 235, MAT 131, and MAT 224 with a ‘C-’ or better before enrolling in 300 or 400-level course in the department.

**Core Requirements**
- BUS 101 Introduction to The Business Mindset
- BUS 102 Development of the Entrepreneurial Mindset
- BUS 341 Business Law I
- BUS 351 Business Finance
- BUS 361 Contemporary Marketing
- BUS 371 Operations Management
- BUS 475 Strategic Implementation Project
- BUS 499 Senior Competency Practicum
- ACC 235 Data Management and Analysis
- ECO 115 Principles of Economics
- MAT 131 Introduction to Quantitative Analysis
- MAT 224 Basic Statistics

**Professional Development Requirements**
- BUS 498 Portfolio
- INT XXX Business Internship (Senior Year Experience)
- PDP 200 Preparing for Your Internship

**Related Field Requirements**
- ACC 221 Principles of Accounting I
- ACC 222 Principles of Accounting II
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics
- CMP 130 Introduction to Computing

**Concentration Requirements**
- ACC 311 Intermediate Accounting I
- ACC 321 Managerial-Cost Accounting

_Due to the high demand for these courses, students must plan accordingly._

_Three of the following courses (a maximum of one (1) course from the list of electives may be used to fulfill electives of additional business concentrations)_
- ACC 312 Intermediate Accounting II
- ACC 341 Introduction to Taxation
- ACC 420 Auditing
- ACC 431 Advanced Accounting
- BUS 352 Investments
- BUS/ECO 380 Econometrics
- SNT 489 Senior Internship Project

*Note: Many non-business courses that can be used for business tracks have prerequisites. Students who plan to take non-business courses should take care to schedule the prerequisites.*
Business Major – Nonprofit Administration Concentration

Note: Business majors must complete BUS 101, BUS 102, ECO 115, ECO 221, ECO 223, ACC 221, ACC 222, ACC 235, MAT 131, and MAT 224 with a ‘C-’ or better before enrolling in 300 or 400-level course in the department.

Core Requirements
- BUS 101 Introduction to The Business Mindset
- BUS 102 Development of the Entrepreneurial Mindset
- BUS 341 Business Law I
- BUS 351 Business Finance
- BUS 361 Contemporary Marketing
- BUS 371 Operations Management
- BUS 475 Strategic Implementation Project
- BUS 499 Senior Competency Practicum
- ACC 235 Data Management and Analysis
- ECO 115 Principles of Economics
- MAT 131 Introduction to Quantitative Analysis
- MAT 224 Basic Statistics

Professional Development Requirements
- BUS 498 Portfolio
- INT XXX Business Internship (Senior Year Experience)
- PDP 200 Preparing for Your Internship

Related Field Requirements
- ACC 221 Principles of Accounting I
- ACC 222 Principles of Accounting II
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics
- CMP 130 Introduction to Computing

Concentration Requirements
- NPL/SOC 222 Social Problems & Nonprofit Responses
- NPL/SOC 230 Introduction to Nonprofits

Three of the following courses (a maximum of one (1) course from the list of electives may be used to fulfill electives of additional business concentrations)
- BUS/ECO 340 Business Organization and Public Policy
- LEA 100 Introduction to Personal Leadership Skills
- LEA 220 Leadership: Foundations, Theory, and Practice
- NPL/SOC 315 Nonprofit Leadership Capstone
- SOC 323 Organizations
- SNT 489 Senior Internship Project

Note: Many non-business courses that can be used for business tracks have prerequisites. Students who plan to take non-business courses should take care to schedule the prerequisites.
**Business Major – Individualized Concentration**

Students may create a concentration to be approved by the Economics, Business, and Accounting faculty. Majority approval (3 out of 5) is required. Students should use the following criteria when proposing an individualized area of concentration:

1. A thorough explanation and justification of how this concentration will relate to student’s career path.
2. A thorough explanation and justification of how courses picked relate to one another within the area of concentration.
3. A thorough explanation of why one of the existing concentrations does not fit the needs of the student.
4. A **minimum** of 4 courses will be required as part of the concentration with the following guideline:
   a. 100-level courses may not be part of the individualized concentration.
   b. A maximum of one course at the 200-level.
   c. A minimum of three additional courses at the 300 or 400-level.

**Business Minor**

*Note: Business minors must complete BUS 101, ECO 115 and ACC 221 with a C- or better before enrolling in 300 or 400 level courses in the department.*

- **ACC 221** Principles of Accounting I
- **BUS 101** Introduction to the Business Mindset
- **BUS 102** Development of the Entrepreneurial Mindset
- **ECO 115** Principles of Economics

**Three of the following courses:**
- **ACC 222** Principles of Accounting II
- **BUS 340** Business Organization and Public Policy
- **BUS 351** Business Finance
- **BUS 361** Contemporary Marketing
- **BUS 362** Consumer Behavior
- **BUS 371** Operations Management
- **ECO 221** Intermediate Microeconomics
- **ECO 223** Intermediate Macroeconomics
Business Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 101</td>
<td>Introduction to the Business Mindset</td>
<td>3</td>
<td>Fall and spring</td>
</tr>
<tr>
<td></td>
<td>This is the first in a year-long two-course series comprising the first-year student business exploration and experience courses. The course provides a broad overview of the functions, institutions, principles, and practices of American business, and immerses the student in the introduction to business, business management, and entrepreneurship. It includes exploration of organization types and structure, all the key functional areas in business, as well as the exploration of ethical issues of business management. Students will work individually, but primarily in teams, as they learn and explore the business mindset and begin development of a new company business plan. The course will include active student participation and exploration of important business topics through coursework, guest lecturers, case studies, and other individual and team classroom assignments. Students will be required to attend up to four evening guest speaker presentations. All students in the class are required to obtain a 15-week subscription to the Wall Street Journal, and are also required to purchase a specific business/financial calculator. Each item costs about $30.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| BUS 102     | Development of the Entrepreneurial Mindset        | 3       | Fall and spring  |
|             | This course is the second in the two-part series of the first-year student business experience. BUS 102 extends and expands the learning from BUS 101 (Introduction to the Business Mindset), and unless otherwise assigned, teams will work in their same team as they continue to develop their new company business plan started in BUS 101. Individual students will continue to learn and explore key fundamental components of business leadership, management, and nurturing deep, critical, and creative thinking within a business context. This course introduces students to the skills necessary to start and operate a business. Working in teams, students will develop an awareness of the opportunities for business ownership and develop the planning skills needed to start and grow a business. Students will explore the traits and characteristics of successful entrepreneurs and develop necessary skills in research, planning, operations, and regulations affecting business. Again through coursework, guest lecturers, and case studies, students and their teams will create a completed new company business plan and make a formal presentation to a panel of outside experts who will take on the role of potential backers, and who will evaluate and score the work. The course will continue to build on key business, leadership, and management concepts, especially the necessary components of building an entrepreneurial mindset. Students will be required to attend up to three evening guest speaker presentations. All students are required to obtain a 15-week subscription to the Wall Street Journal, and are also required to have a specific business/financial calculator. Each item costs about $30.00. |

| BUS 300     | Topics in Business                                | 3       | On demand        |
|             | A topic of current interest in business will be taught. Topics will vary depending on faculty and student interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs. |

<p>| BUS 340     | Business Organization and Public Policy           | 3       | Spring, odd academic years |
|             | Studies industrial organization and public policy toward business. The course examines the economic rationale and impact of antitrust legislation and government regulation of business activity. Same as ECO 340. |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 341</td>
<td>Business Law I</td>
<td>3</td>
<td></td>
<td>Fall</td>
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<tr>
<td></td>
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<td></td>
<td>The purpose of this course is to enable the student to comprehend the legal significance of decisions made within the corporate organization. It acquaints the student with the American legal system and the concepts and processes through which law develops and disputes are resolved. The focus of this course will be on contract law, sale of goods (UCC Article 2), and property law.</td>
<td></td>
</tr>
<tr>
<td>BUS 350</td>
<td>International Business and Finance</td>
<td>3</td>
<td>ECO 223</td>
<td>Spring, even academic years</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Surveys the theories of international trade, investment, and finance. The balance-of-payments statement, tariffs and other forms of protectionism, multinational enterprises, foreign-exchange markets, and the international financial system are all topics of discussion. Same as ECO 350.</td>
<td></td>
</tr>
<tr>
<td>BUS 351</td>
<td>Business Finance</td>
<td>3</td>
<td>ECO 115, ACC 221 and ACC 222, or consent of instructor</td>
<td>Fall and spring</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>The course is designed to acquaint students with the basic strategies available to large corporations and small businesses for obtaining and deploying funds. Key areas include: time value of money, interest rate determination, types of debt and equity securities, venture capital financing, leverage, capital budgeting techniques, efficient markets, short-term financial management, and business firm valuation.</td>
<td></td>
</tr>
<tr>
<td>BUS 352</td>
<td>Investments</td>
<td>3</td>
<td>BUS 351 or consent of instructor</td>
<td>Spring</td>
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<td></td>
<td>This course analyzes personal investment opportunities from the viewpoint of the individual investor, stockbroker, and investment analyst. Emphasis is placed on selection of investment portfolios consistent with investor goals and market conditions. Special focus is placed on risk minimization and interpreting commonly available market data. The role of the stockbroker as a marketer is stressed, and material necessary to pass stockbroker exams will be reviewed.</td>
<td></td>
</tr>
<tr>
<td>BUS 353</td>
<td>Principles of Risk and Insurance</td>
<td>3</td>
<td>MAT 224 or consent of instructor</td>
<td>Fall, even academic years</td>
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<tr>
<td></td>
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<td></td>
<td>The course introduces students to risk and insurance from the viewpoint of the purchaser, seller and designer. Various types of insurance are discussed, and the student is prepared for insurance sales license exams.</td>
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<tr>
<td>BUS 360</td>
<td>Labor Economics and Management</td>
<td>3</td>
<td>ECO 221</td>
<td>Spring</td>
</tr>
<tr>
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<td></td>
<td>Examines the operation of labor markets and the economic framework of employer-employee relations. Particular labor issues, labor legislation, and our government regulations pertaining to labor are discussed. Same as ECO 360.</td>
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</tr>
<tr>
<td>BUS 361</td>
<td>Contemporary Marketing</td>
<td>3</td>
<td>ECO 115, ACC 221 and ACC 222, or consent of instructor</td>
<td>Fall and Spring</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>The purpose of the course is to introduce the student to the practice of strategic marketing, the art and science of interfacing producers and consumers in a dynamic environment. Key areas of focus include product development, pricing, promotion, distribution, market segmentation, market research, and retailing.</td>
<td></td>
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</tbody>
</table>
BUS 362 Consumer Behavior
3 credit hours
Spring
Prereq: BUS 361
The course is designed to furnish students with basic information necessary to understand consumer reaction to marketing stimuli. The emphasis is on gaining knowledge about consumers in order to achieve effective interface of producers and consumers. The course is highly interdisciplinary, drawing heavily on psychology and sociology, and the focus throughout is on the link between consumer behavior and marketing strategy. Same as ECO 362.

BUS 371 Operations Management
3 credit hours
Fall and Spring
Prereq: BUS 101, BUS 102, and ACC 221
This course will review and build upon basic management and leadership techniques introduced in BUS 101 and BUS 102. The primary emphasis will be to examine operations management as a tool for the firm to achieve maximum value for the customer through the utility maximizing principles achieved in form, time, place, and possession utilities. The course will explore how managers can achieve optimal output and firm profit through effective conversion of firm acquired inputs such as material, labor, and capital into value-added outputs/outcomes. This will be done by addressing operations management in areas such as logistics, supply chain, production, retail operations, and service industries. The course will address the historical background of operations management, and will have a significant emphasis on the quantitative and qualitative analysis of critical decision-making tools used in operations management. Topics will include production planning, quality control, inventory control, facility layout, supply chain management, and labor management. Students will also complete a business-perspective self-evaluation portfolio. All students in the class are required to obtain a 15-week subscription to the Wall Street Journal.

BUS 380 Econometrics
4 credit hours
Fall
Prereq: ECO 115 and MAT/PSY/SOC 224, or consent of instructor
This course is designed for students who obtained basic statistical concept and elementary econometrics through MAT 224. The course provides students with an advanced level of research methodology to analyze business and economic problems. The course focuses on departing Gauss-Markov assumptions and learning non-linear regression model, time series (including serial correlation), panel data, simultaneous equations model, and generalized least squares (GLS) methodology, so that students can conduct research analysis correctly. During the course students will use actual data of business and/or economics to conduct a research analysis, for which students use the statistical software, R. Same as ECO 380.
BUS 475 Strategic Implementation Project

<table>
<thead>
<tr>
<th>Fall through 2021-2022; Spring beginning 2022-2023</th>
</tr>
</thead>
</table>
| Prereq: BUS majors with senior standing having completed all core requirements with a grade of “C-“ or better. Non-EBA majors must have senior standing and consent of instructor. Non-EBA majors who wish to have BUS 475 substitute for their major or departmental capstone course must have senior standing, consent of instructor, and consent of department chair in their major field.

This course is the senior capstone for accounting majors. Students will work in teams to solve complex business problems in a simulated boardroom setting as they address and solve a real-life business challenge that has been presented to them by Franklin College Alumni or others who have current and relevant projects to complete. Students are expected to synthesize material in all business, economics, and accounting courses in preparing solutions to these problems, and to present their solutions with a formal oral and written report directly to the business owners/managers who tasked them with the project. Teams will be expected to defend their solutions/suggestions, and prepare any follow-up work requested by the business owners/managers. Some time will be spent on resume development and job search/interview strategies. Depending upon project and project sponsor’s wishes, this course may be followed in the subsequent spring semester by an optional SNT 489 (Senior Internship Project, 1-3 credit hours, Spring) serving as a Strategic Implementation Project Follow-Up Internship.

BUS 482 Business Practicum

<table>
<thead>
<tr>
<th>1-2 credit hours</th>
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</thead>
<tbody>
<tr>
<td>Prereq: instructor permission</td>
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</tbody>
</table>

A supervised, pre-approved experience that allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.

BUS 490 Independent Study

<table>
<thead>
<tr>
<th>1-2 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prereq: Departmental consent is required</td>
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</tbody>
</table>

Course is designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings.

BUS 498 Portfolio

<table>
<thead>
<tr>
<th>No credit</th>
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<tbody>
<tr>
<td>Fall and Spring</td>
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</tbody>
</table>

The portfolio requirement will be met by creating the portfolio required in BUS 371. Students will develop a comprehensive portfolio documenting skills learned and assessment of such skills. See BUS 371 or complete description.

BUS 499 Senior Competency Practicum

<table>
<thead>
<tr>
<th>No credit</th>
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<tbody>
<tr>
<td>Spring</td>
</tr>
</tbody>
</table>

Satisfactory performance on the ETS major field test in business. Passing grade: D- or better.
Canadian Studies Program

**Department:** History  
**Director:**  
**Teaching Faculty:**

**Minor:** Canadian Studies

Canada is the United States’ most important trading partner. Despite the close and growing partnership between the two countries, Canada remains fundamentally different from the United States in terms of culture, society, and politics. Many of its political, social, and economic values and institutions reflect those of European countries and stand in contrast to those of the United States. Thus, the study of Canada enables students to gain a greater appreciation of the United States’ largest neighbor and exposes them to values and institutions widely shared among developed countries other than the United States.

The Canadian studies program is designed to develop in students an understanding of the history, society, political institutions, economy, and culture of Canada. The Canadian Studies curriculum places particular emphasis on examining the differences and similarities between Canada and the United States; Canadian-American relations; and the often conflict-ridden relationship between the largely French-speaking province of Quebec and the largely English-speaking rest of the country.

Students trained in Canadian Studies will be able to speak, write, and do research on issues related to Canada. In addition, they will possess knowledge and skills to enable them to function well in an environment requiring international awareness and understanding of cross-cultural exchange.

All prerequisites must be completed with a grade of “D” or better. However, students minoring in Canadian Studies must maintain the minimum grade point average of 2.00 (A=4.00) in the minor field and must complete all course requirements for the academic minor with a grade of “C-” or better.
**Canadian Studies Minor**
(all instruction in English)

**Required courses**
- CAN 130 Introduction to Canada
- CAN/HIS 230 History of Canada
- CAN/POL 355 Comparative Politics in Developed Countries

**One of the following courses**
- CAN/ENG 235 Native North American Literature
- CAN/FRE 340 Francophone Canadian Literature

**Three additional hours earned through one of the following options**
1. The alternative literature course from above
2. An immersive term dealing with a Canadian topic
3. Participation in the Acadia exchange program
4. SOC 221 Marriage and the Family
5. An internship in Canada or at Canadian government offices
6. Other appropriate class activities (such as CAN 300 Topics in Canadian Studies) as arranged with the Canadian Studies director.
**Canadian Studies Course Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Schedule</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN 130</td>
<td>Introduction to Canada</td>
<td>4</td>
<td>Fall and Spring</td>
<td>International exploratory</td>
</tr>
<tr>
<td></td>
<td>This international course provides an overall look at Canada and Canadians. It introduces students to various features of Canadian geography, history, society, politics, and culture.</td>
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</tr>
<tr>
<td>CAN 230</td>
<td>History of Canada</td>
<td>4</td>
<td>Fall, even academic years</td>
<td>International exploratory</td>
</tr>
<tr>
<td></td>
<td>This course traces Canada’s historical evolution from colonial times to the present. It introduces students to the political, economic, social, and cultural history of Canada. Same as HIS 230.</td>
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<tr>
<td></td>
<td>Prereq: CAN 130 or HIS 120 or consent of instructor</td>
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</tr>
<tr>
<td>CAN 235</td>
<td>Native North American Literature</td>
<td>4</td>
<td>Spring, even academic years</td>
<td>Diversity exploratory</td>
</tr>
<tr>
<td></td>
<td>A study of multicultural novels, plays, short stories and poems by Native American and First Nations authors, exploring the North American experiences and literatures of Native peoples. Same as ENG 235.</td>
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<td></td>
<td>Prereq: LA 101</td>
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<tr>
<td>CAN 300</td>
<td>Topics in Canadian Studies</td>
<td>3</td>
<td>Topics will vary depending on faculty interest and student demand. The course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.</td>
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</tr>
<tr>
<td>CAN 340</td>
<td>Francophone Canadian Literature</td>
<td>4</td>
<td>Spring, odd academic years</td>
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<td></td>
<td>A literary analysis of representative works by Quebec and other Francophone authors from the colonial period to the present. Same as FRE 340. <em>Successful completion of FRE 314 and 315 is recommended before taking this class.</em></td>
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<tr>
<td></td>
<td>Prereq if taught in English: CAN 130 or consent of instructor. Prereq if taught in French: FRE 211 and CAN 130, or consent of instructor</td>
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<tr>
<td>CAN 355</td>
<td>Comparative Politics in Developed Countries</td>
<td>3</td>
<td>On demand</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course examines the political cultures, governmental institutions, and current policy debates in Canada, France and Germany. Relations between these countries and the United States will also be examined. Same as POL 355.</td>
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<tr>
<td></td>
<td>Prereq: CAN 130 or POL 130 or consent of instructor</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>CAN 482</td>
<td>Canadian Studies Practicum</td>
<td>1-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.</td>
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<td></td>
<td>Prereq: consent of instructor</td>
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<tr>
<td>CAN 490</td>
<td>Independent Study</td>
<td>1-2</td>
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<tr>
<td></td>
<td>This course is designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Special reading or research in a field of the student’s interest not sufficiently covered in regular courses.</td>
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<td></td>
<td>Prereq: consent of instructor</td>
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</table>
Chemistry and Physics

**Department:** Chemistry and Physics  
**Department Chair:** A. Thapaliya  
**Department Members:** H. Florian, J. P'Pool, A. Thapaliya, W. Wei

**Major:** Chemistry (Tracks: Standard, Environmental Science, Biochemistry, and Industry/Graduate School)  
**Minors:** Chemistry, Biochemistry, and Biomedical Physics  
**Related Major:** Neuroscience  
**Pre-Professional Programs:** Pre-Dental, Pre-Medical, Pre-Medical Technician (See Medical Technology section of the catalog), Pre-Optometry, Pre-Pharmacy, Pre-Physical Therapy, Pre-Physician Assistant, Pre-Veterinary  
**Cooperative Programs:** Health-related Professions: Medical Technology, Pharmacy, Public Health

The undergraduate program in chemistry introduces students to the collection of chemical principles, theories, and facts that have evolved in the more than 200 years that chemistry has existed as a science. The program gives students an opportunity to collect, analyze, and critically evaluate data in the laboratory, and to appreciate the relationship of factual data to scientific purposes, laws, and theories. The body of knowledge acquired and the experience gained in the use of modern instrumentation to collect and to analyze data, prepares students for further study in chemistry at the graduate level, for the pursuit of a career in industrial chemistry or in a health science, and also serve as a chemistry knowledge base necessary for the study of other sciences, including medicine, pharmacy, optometry, biology, toxicology, and environmental science. Finally it is the aim of the department to help the student better understand the natural and the synthetic products and the processes that are encountered in everyday life, thus to satisfy the student’s curiosity about the physical world.

The physics program at Franklin College is designed to provide students with a working knowledge of physics to support and enhance their study in their major discipline. The program provides experiences that enable students to understand the nature of physics and to use physics as a problem-solving tool. The program concentrates on the development of critical thinking.

The students who minor in biomedical physics and chemistry will be well supported for their major course of study and better prepared for success in graduate or professional schools, or immediate employment. Student abilities that are fostered by this curriculum include: understanding the nature of scientific reasoning in considerable depth, understanding the concepts and methods of physics and chemistry, and being able to synthesize information from basic topics and applying it to solve real world problems.
**Chemistry Major**

Completion of the Chemistry major will require students to complete one of the four following tracks (standard, environmental, graduate school/industry, and biochemistry) or a Cooperative 3+ Health Professions Program in Chemistry. All tracks will share a common core and each track will have additional biology, chemistry, and related field requirements. Cooperative 3+ Programs in Chemistry have a common core (different from the core for the other chemistry tracks) and additional specific requirements for each cooperative program.

**Core Requirements** (required for all chemistry tracks)
- CHE 121 General Chemistry I
- CHE 122 General Chemistry II
- CHE 123 General Chemistry I Lab
- CHE 124 General Chemistry II Lab
- CHE 221 Organic Chemistry I
- CHE 222 Organic Chemistry II
- CHE 223 Organic Chemistry Lab I
- CHE 224 Organic Chemistry Lab II
- CHE 227 Analytical Chemistry
- CHE 341 Physical Chemistry I
- CHE 343 Physical Chemistry Lab I
- CHE 472 Chemistry Seminar
- CHE 499 Senior Competency Practicum

**Related Field Requirements for Chemistry Major** (required for all chemistry tracks)

A grade of D- or better satisfies the requirement for successful completion of the related field courses in biology and math. A grade of C- or better satisfies the requirement for successful completion of the related field courses in physics.

- BIO 134 Principles of Biology
- BIO 140 Cell Biology
- MAT 135 Calculus
- MAT 140 Intro to Mathematical Sciences
- PHY 201 or 211 & 203 General Physics I and Lab
- PHY 202 or 212 & 204 General Physics II and Lab

**Chemistry Professional Development Program/Senior Year Experience**

All Chemistry majors must complete the requirements of either Plan A or Plan B.

**Plan A**
- BIO/CHE 390 Professional Development Planning
- SNR 489 Professional Development Research Experience

To receive permission to do Plan A, students must complete an SNR 489 proposal sponsored by a faculty member who will oversee their project. This proposal must be approved by the Chemistry and Physics Department prior to the start of the project. SNR 489 must be completed during the summer prior to or during the senior year. BIO/CHE 390 is a prerequisite for SNR 489.

**Plan B**
- BIO/CHE 390 Professional Development Planning
- INT XXX Internship

(INT XXX must be completed during the summer prior to or during the senior year. CHE 390 is a prerequisite for INT XXX.)
**Standard Chemistry Track**
In addition to the core and PDP/SYE requirements, students must take the following:

**A minimum of six credit hours from the following options**
Note: CHE 375 or CHE 490 may count toward the 6 hours, but not both.
- BIO/CHE 334 Biochemistry
- BIO/CHE 392 Techniques in Biotechnology and Biochemistry
- CHE 300 Topics Course
- CHE 322 Spectroscopic Methods of Analysis
- CHE 342 Quantum Chemistry and Spectroscopy
- CHE 344 Quantum Chemistry and Spectroscopy Lab
- CHE 375 Undergraduate Research
- CHE 434 Advanced Inorganic Chemistry
- CHE 448 Instrumental Analysis
- CHE 490 Independent Study

**Environmental Science Track**
In addition to the core and PDP/SYE requirements, students must take the following:

- BIO 240 Ecology
- BIO 320 Conservation Biology
- ECO 115 Principles of Economics
- ENG 228 Advanced Composition
- ESC 118 Earth Science
- POL 110 American National Government
- POL 336 Introduction to Public Policy

**Two of the following courses**
Note: CHE 375 or CHE 490 may count toward the two chemistry courses, but not both.
- BIO/CHE 334 Biochemistry
- CHE 342 Quantum Chemistry and Spectroscopy
- CHE 375 Undergraduate Research
- CHE 448 Instrumental Analysis
- CHE 490 Independent Study – Research

**Recommended Courses**
- BIO 221 Botany
- BIO 322 Ornithology
- BIO 335 Plant Communities
- BIO 373 Microbiology
- BIO 380 Field Biology
- CMP 130 Introduction to Computing
- REL 210 Religion and the Environment
- SOC 118 Introduction to Sociology
- SOC/NPL 222 Social Problems & Nonprofit Responses
Industry and Graduate School Track
In addition to the core and PDP/SYE requirements, students must take the following:

BIO/CHE 334 Biochemistry  
CHE 342 Quantum Chemistry and Spectroscopy  
MAT 142 Calculus II

One of the following courses
CHE 300 Topics Course  
CHE 322 Spectroscopic Methods of Analysis  
CHE 344 Quantum Chemistry and Spectroscopy Lab  
CHE 375 Undergraduate Research  
BIO/CHE 392 Techniques in Biotechnology and Biochemistry  
CHE 434 Advanced Inorganic Chemistry  
CHE 448 Instrumental Analysis  
CHE 490 Independent Study

Biochemistry Track
In addition to the core and PDP/SYE requirements, students must take the following:

BIO/CHE 334 Biochemistry  
BIO 350 Genetics  
BIO/CHE 392 Techniques in Biotechnology and Biochemistry  
MAT 142 Calculus II

One of the following courses
CHE 342 Quantum Chemistry and Spectroscopy  
CHE/BIO 375 Undergraduate Research  
CHE 448 Instrumental Analysis

One of the following courses
BIO 215 Human Anatomy and Physiology II  
BIO 360 Animal Physiology  
BIO 374 Advanced Cell and Molecular Biology  
CHE/BIO 375 Undergraduate Research

Note: Students may take CHE 375 or BIO 375, but not both to fulfill the above requirements.
**Chemistry and Physics Minors**

All courses for the following minors must be completed with a grade of C- or better.

**Chemistry Minor**

CHE 121 General Chemistry I  
CHE 122 General Chemistry II  
CHE 123 General Chemistry I Lab  
CHE 124 General Chemistry II Lab  
CHE 221 Organic Chemistry I  
CHE 222 Organic Chemistry II  
CHE 223 Organic Chemistry Lab I  
CHE 224 Organic Chemistry Lab II  
CHE 227 Analytical Chemistry

**One of the following options**

*Option 1:* MAT 135 Calculus  
*Option 2:* MAT 224 Basic Applied Statistics and LA 103 Quantitative Reasoning  
*Option 3:* MAT 224 Basic Applied Statistics and MAT 131 Introduction to Quantitative Analysis  
*Option 4:* MAT 224 Basic Applied Statistics (only available if placed into MAT 135)

**Note:** It is expected that CHE 121 and 123 would be used to satisfy the laboratory science exploratory requirement, and that MAT 135 would replace LA 103 in the prescribed liberal arts curriculum.

**Biochemistry Minor**

(Available to non-biology and non-chemistry majors only)

BIO 134 Principles of Biology  
BIO 140 Cell Biology  
BIO/CHE 334 Biochemistry  
BIO/CHE 392 Techniques in Biotechnology and Biochemistry  
CHE 222 Organic Chemistry II  
CHE 224 Organic Chemistry Laboratory II

**One of the following courses**

BIO 215 Human Anatomy and Physiology II  
BIO 360 Animal Physiology  
BIO 373 Microbiology

**Recommended courses**

BIO/CHE 375 Undergraduate Research
**Biomedical Physics Minor**

PHY 201 or 211 & PHY 203 General Physics I – Algebra or Calculus and Lab  
PHY 202 or 212 & PHY 204 General Physics II – Algebra or Calculus and Lab  
BIO 210 Human Anatomy and Physiology I  
Or  
ANAT 210 & ANAT 210L Applied Human Anatomy and Lab  
BIO 215 Human Anatomy and Physiology II  
Or  
ANAT 220 & ANAT 220L Applied Human Physiology and Lab

**Two of the following courses:**

- PHY 355 Ultrasonography
- PHY 357 Radiation and Health
- PHY 365 Biomedical Optics

**Neuroscience Major**

Please see separate Neuroscience section in this course catalog.

**Pre- Health Professions Programs**

Franklin College offers pre-health professions advising to students who are interested in applying to medical school or other health-related professional schools. For more information or questions, please contact the respective faculty member for each profession. Additional information regarding pre-professional program requirements are located on the Franklin College website at [http://franklincollege.edu/academics/majors/division-of-natural-science/health-professions/](http://franklincollege.edu/academics/majors/division-of-natural-science/health-professions/)

- Pre-Med (allopathic and osteopathic) and Pre-Podiatry – Dr. Yount
- Pre-Pharmacy – Dr. Wei
- Pre-Veterinary Medicine and Pre-Dentistry – Dr. O’Neal
- Pre-Optometry and Pre-Medical Technology – Dr. Thapaliya
- Pre-Physical/Occupational Therapy and Pre-Physician Assistant – Dr. Heikens

**Cooperative Programs in Health-Related Professions – Chemistry/Physics**

All cooperative programs for the chemistry major consist of a common core and specific courses required for each particular program. After completion of three years of college work in one of these programs and fulfilling Franklin College graduation requirements (except total graduation hours), students may receive a bachelor of arts degree from Franklin College upon completing one year at the cooperating institution, for a total of 120 semester hours. Successful completion of the first year in the cooperative program satisfies the senior year experience or internship requirement for the chemistry major. Any student following these programs who is not accepted by the cooperating institution after the third year could return to Franklin College and receive a bachelor of arts in chemistry by completing: 1) all of the remaining requirements for the chemistry major standard program, and 2) 120 total semester hours required for graduation. *(Students with a declared enrollment in the aforementioned cooperative programs will be given priority during registration in subsequent semester(s)).*
Cooperative Programs in Health-related Professions

Core Requirements

CHE 121 General Chemistry I  
CHE 122 General Chemistry II  
CHE 123 General Chemistry I Lab  
CHE 124 General Chemistry II Lab  
CHE 221 Organic Chemistry I  
CHE 222 Organic Chemistry II  
CHE 223 Organic Chemistry Lab I  
CHE 224 Organic Chemistry Lab II  
CHE 227 Analytical Chemistry  
CHE 341 Physical Chemistry  
CHE 343 Physical Chemistry Lab  
CHE 390 Professional Development  
CHE 472 Chemistry Seminar  
CHE 499 Senior Competency Practicum  
MAT 135 Calculus  
PHY 201 or 211 & 203 General Physics I and Lab  
PHY 202 or 212 & 204 General Physics II and Lab

Chemistry Professional Development Program/Senior Year Experience
Successful completion of the first year in the cooperative program satisfies the senior year experience or internship requirement for the major.

Plus additional specific program requirements – choose one of the three following programs

A. Medical Technology at Franciscan St. Francis Health or IU Health Methodist Hospital Clinical Laboratory Science Program
   BIO 140 Cell Biology  
   BIO 373 Microbiology  
   BIO/CHE 334 Biochemistry  
   Plus 8 Additional Hours of BIO credit  
   (preferably BIO 210 and BIO 215 – Human Anatomy and Physiology I and II)  
   Plus: Completion of the clinical program at Franciscan St. Francis Health or IU Health Methodist Hospital

B. Pharmacy at Purdue University or University of Cincinnati
   BIO 210 Human Anatomy and Physiology I  
   BIO 215 Human Anatomy and Physiology II  
   BIO/CHE 334 Biochemistry  
   BIO 373 Microbiology  
   ECO 115 Principles of Economics  
   LA 201 Analyzing Literature  
   MAT 140 Introduction to Math Sciences  
   MAT 142 Calculus II  
   Immunology - is required by the Purdue University School of Pharmacy. It can be taken online during a summer term after completing sophomore year.  
   Diversity or social ethics is required for the University of Cincinnati.
Recommended
BIO/CHE 392 Techniques in Biotechnology and Biochemistry

Plus completion of 30-35 credits by the end of the first year of pharmacy program

C. Master of Public Health at IUPUI Richard M. Fairbanks School of Public Health

BIO 134 Principles of Biology
BIO 140 Cell Biology
BIO 210 Human Anatomy and Physiology I
MAT 224 Basic Applied Statistics

Plus completion of one of the following MPH classes in the first year at IUPUI
A519 Environmental Health
A609 Air Pollution & Health
A614 Water Quality Management
A661 Environmental Toxicology
**Chemistry Course Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Corequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 001</td>
<td>Laboratory Assistant</td>
<td>1 credit hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 112</td>
<td>Introductory Chemistry</td>
<td>4 credit hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 121</td>
<td>General Chemistry I</td>
<td>5 credit hours</td>
<td>Fall or Spring</td>
<td>Scientific Thinking exploratory</td>
</tr>
<tr>
<td>CHE 122</td>
<td>General Chemistry II</td>
<td>5 credit hours</td>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>CHE 123</td>
<td>General Chemistry I Lab</td>
<td>No credit</td>
<td>Fall</td>
<td>Scientific Thinking exploratory</td>
</tr>
<tr>
<td>CHE 124</td>
<td>General Chemistry II Lab</td>
<td>No credit</td>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>CHE 221</td>
<td>Organic Chemistry I</td>
<td>3 credit hours</td>
<td>Fall</td>
<td></td>
</tr>
</tbody>
</table>

The purpose of this course is to give practical experience working in a chemistry laboratory. Student will gain this experience by preparing labs and setting up instruments for the chemistry labs. Counts as an activity credit.

For non-science majors only. Introduction to the theories, concepts, and techniques of chemistry which have led to a modern understanding of the behavior of matter. Complementary, weekly laboratory exercises are designed to demonstrate practical applications of modern chemistry in everyday life. Although mathematics is not stressed, proficiency in high school algebra is expected. Consent of instructor is required for a student who has already earned credit for CHE 121.

An introductory course in college chemistry. Stoichiometry, thermochemistry, atomic theory, chemical bonding, states of matter and phase changes, properties of selected elements and compounds, and solutions. Four hours lecture.

A continuation of CHE 121. Chemical equilibrium, kinetics, acids and bases, ionic equilibrium, electrochemistry, thermodynamics. Four hours lecture.

A lab course intended to supplement CHE 121 and provide an introduction to fundamental laboratory techniques, such as weighing, filtering, and titrating, as well as the accurate recording and analysis of scientific data. Three hours laboratory.

A lab course intended to supplement CHE 122. (A continuation of CHE 123.) Students will apply skills learned in CHE 123 to more complex experiments, as well as be introduced to more advanced techniques. Three hours laboratory.

An introduction to the study of carbon and its compounds through an examination of the hydrocarbon, halide, alcohol, and carbonyl functional groups. Emphasis is placed on establishing relationships among structure, physical properties, and chemical activity. The mechanisms of substitution and elimination reactions are studied in detail. Three hours lecture.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 222</td>
<td>Organic Chemistry II</td>
<td>3</td>
<td>Spring</td>
<td>Prereq: CHE 221; Coreq: CHE 224</td>
</tr>
<tr>
<td></td>
<td>A continuation of CHE 221. Additional functional groups and mechanisms are studied as well as the influence of functional groups on one another in multifunctional compounds. NMR and infrared spectroscopic techniques are used as tools to probe both structure and reactivity. Mass spectroscopy is applied to problems dealing with the structure. Three hours lecture.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 223</td>
<td>Organic Chemistry Laboratory I</td>
<td>1</td>
<td>Fall</td>
<td>Coreq: CHE 221</td>
</tr>
<tr>
<td></td>
<td>Macroscale and microscale laboratory techniques, preparation and characteristic reactions of organic compounds. Three hours laboratory.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 224</td>
<td>Organic Chemistry Laboratory II</td>
<td>2</td>
<td>Spring</td>
<td>Prereq: CHE 223; Coreq: CHE 222</td>
</tr>
<tr>
<td></td>
<td>Preparation and characteristic reactions of additional functional groups and qualitative analysis. Experience is also gained in spectroscopic techniques, molecular modeling, the retrieval of data from the chemical literature and formal report preparations. Four hours laboratory.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CHE 227</td>
<td>Analytical Chemistry</td>
<td>4</td>
<td>Fall</td>
<td>Prereq: CHE 122 or consent of instructor</td>
</tr>
<tr>
<td></td>
<td>An introduction to the principles and methods of chemical analysis, including method development, elementary statistics, separation methods, gravimetric and volumetric analysis, and instrumental methods. The laboratory emphasizes the analysis of samples using analytical techniques. Two hours lecture, four hours laboratory.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 300</td>
<td>Topics in Chemistry</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A topic of current interest in chemistry will be taught. Topics will vary depending on faculty interest. Course will be offered upon request of a faculty member and with approval of the Vice President of Academic Affairs.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CHE 322</td>
<td>Spectroscopic Methods of Analysis</td>
<td>2</td>
<td>Spring, odd academic years</td>
<td>Prereq: CHE 222 and CHE 224</td>
</tr>
<tr>
<td></td>
<td>An advanced course in spectral interpretation of organic molecules. Techniques investigated include nuclear magnetic resonance spectra, mass spectra, infrared absorption, and ultraviolet absorption spectra.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 334</td>
<td>Biochemistry</td>
<td>3</td>
<td>Spring</td>
<td>Prereq: BIO 140, CHE 221 and CHE 223</td>
</tr>
<tr>
<td></td>
<td>An introduction to the chemistry of biomolecules, metabolism, and biosynthesis. Three hours lecture. Note: This course may count toward either a Chemistry major or a Biology major, but not both. Same as BIO 334.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CHE 341</td>
<td>Physical Chemistry I</td>
<td>3</td>
<td>Fall</td>
<td>Prereq: CHE 122, MAT 135, PHY 201 or PHY 211, and PHY 203; Coreq: CHE 343</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Time</td>
<td>Prerequisites</td>
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<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>CHE 342</td>
<td>Quantum Chemistry and Spectroscopy</td>
<td>3</td>
<td>Spring, odd academic years</td>
<td>Prereq: CHE 122, MAT 135, PHY 201 or PHY 211, and PHY 203</td>
</tr>
<tr>
<td></td>
<td>Elementary quantum mechanics, group theory, and</td>
<td></td>
<td></td>
<td>atomic and molecular structure and spectroscopy. Three hours lecture. Same as</td>
</tr>
<tr>
<td></td>
<td>atomic and molecular structure and spectroscopy.</td>
<td></td>
<td></td>
<td>PHY 342.</td>
</tr>
<tr>
<td>CHE 343</td>
<td>Physical Chemistry Lab I</td>
<td>2</td>
<td>Fall</td>
<td>Coreq: CHE 341</td>
</tr>
<tr>
<td></td>
<td>An introduction to the types of laboratory</td>
<td></td>
<td></td>
<td>instrumentation and methods used every day by professional physical and</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>inorganic chemists in research and industry. Substantial emphasis is placed</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>on individual and team responsibility, careful and thoughtful planning,</td>
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<td></td>
<td></td>
<td>experimentation, data interpretation, and effective communication of results.</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Experiments will be closely associated with thermodynamics, chemical</td>
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<td></td>
<td></td>
<td>equilibrium, and include some spectroscopy of primarily inorganic</td>
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<td>compounds. Four hours laboratory (including pre-lab lecture). Same as PHY</td>
</tr>
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<td></td>
<td></td>
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<td></td>
<td>343.</td>
</tr>
<tr>
<td>CHE 344</td>
<td>Quantum Chemistry and Spectroscopy Lab</td>
<td>1</td>
<td>Spring</td>
<td>Prereq: CHE 342 (or concurrently)</td>
</tr>
<tr>
<td></td>
<td>An introduction to the types of laboratory</td>
<td></td>
<td></td>
<td>instrumentation and methods used every day by professional physical and</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>inorganic chemists in research and industry. Substantial emphasis is placed</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>on individual and team responsibility, careful and thoughtful planning,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>experimentation, data interpretation, and effective communication of results.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Experiments will be closely associated with kinetics, electrochemistry,</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>computational chemistry, and a continuation of spectroscopy. Three hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>laboratory. Same as PHY 344.</td>
</tr>
<tr>
<td>CHE 357</td>
<td>Radiation and Health</td>
<td>3</td>
<td>Fall, even academic years</td>
<td>Prereq: CHE 121 &amp; CHE 122</td>
</tr>
<tr>
<td></td>
<td>This course will provide students with an</td>
<td></td>
<td></td>
<td>introduction to the principles of radioactivity and its applications in</td>
</tr>
<tr>
<td></td>
<td>introduction to the principles of radioactivity</td>
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<td></td>
<td>medical diagnosis. A study of basic physics and chemistry as it applies to</td>
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<td></td>
<td>and its applications in medical diagnosis. A</td>
<td></td>
<td></td>
<td>radiation and the human body (radiobiology) is followed by an overview of</td>
</tr>
<tr>
<td></td>
<td>study of basic physics and chemistry as it</td>
<td></td>
<td></td>
<td>major topics in the field of medical physics: x-rays and their uses in</td>
</tr>
<tr>
<td></td>
<td>applies to radiation and the human body</td>
<td></td>
<td></td>
<td>medical imaging, physics of nuclear medicine imaging, ultrasound imaging,</td>
</tr>
<tr>
<td></td>
<td>(radiobiology) is followed by an overview of</td>
<td></td>
<td></td>
<td>magnetic resonance imaging, and radiation therapy for cancer. The course will</td>
</tr>
<tr>
<td></td>
<td>major topics in the field of medical physics:</td>
<td></td>
<td></td>
<td>also include a summary of basic principles for measuring radiation exposure,</td>
</tr>
<tr>
<td></td>
<td>x-rays and their uses in medical imaging, physics</td>
<td></td>
<td></td>
<td>and different methods of monitoring and protecting against chronic exposure</td>
</tr>
<tr>
<td></td>
<td>of nuclear medicine imaging, ultrasound imaging,</td>
<td></td>
<td></td>
<td>to radiation. Same as PHY 357.</td>
</tr>
<tr>
<td>CHE 375</td>
<td>Undergraduate Research in Biology, Chemistry or</td>
<td>1-3</td>
<td>Prereq: instructor permission</td>
<td>To receive academic credit for an undergraduate research experience students must complete a project proposal endorsed by a sponsoring science faculty member. The application will contain an overview of the project, specific project goals, deadlines for the completion of the project, and specific project outcomes that will be evaluated and used to determine the final grade. All projects must meet the following criteria: a) spending an average of 3 hours per week per credit hour (i.e. 6 hours/week during the semester for 2 credits) working on the project; b) writing a scientific paper summarizing the results of the study; c) preparing an electronic poster of the project results; d) maintaining a lab notebook, and e) presenting the results of the project to an audience (at least once per year). The project must be approved by the Chair (or designee) of the sponsoring department.</td>
</tr>
<tr>
<td></td>
<td>Physics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 390</td>
<td>Professional Development Planning</td>
<td>1</td>
<td>Fall and spring</td>
<td>Prereq: instructor permission</td>
</tr>
<tr>
<td></td>
<td>The primary objective of this course is to</td>
<td></td>
<td></td>
<td>prepare students for the Professional Development Experience and chosen</td>
</tr>
<tr>
<td></td>
<td>prepare students for the Professional Development</td>
<td></td>
<td></td>
<td>careers. Students will participate in professional development workshops and</td>
</tr>
<tr>
<td></td>
<td>Experience and chosen careers. Students will</td>
<td></td>
<td></td>
<td>write a proposal for their senior year experience. Course Fee: $20.</td>
</tr>
</tbody>
</table>
### CHE 392 Techniques in Biotechnology and Biochemistry
- **3 credit hours**
- **Spring, even academic years**
- **Prereq:** BIO 140, CHE 121, & CHE 122

An advanced investigation of genetic engineering and recombinant DNA technology, this course will investigate the theory and principles behind the new biological revolution in molecular biotechnology. Medical and industrial applications as well as ethical concerns will be discussed. Lab work will involve learning recombinant DNA techniques that are the cornerstone of molecular biology. Two hours lecture, three hours laboratory. Note: This course may count toward either a Chemistry major or a Biology major, but not both. Note: this course may count toward either a Chemistry major or a Biology major but not both. Same as BIO 392.

### CHE 434 Advanced Inorganic Chemistry
- **3 credit hours**
- **Spring, even academic years**
- **Prereq:** CHE 222, CHE 227, and MAT 135 or consent of instructor

Theoretical principles of inorganic chemistry. Topics include atomic and molecular structure, group theory, chemical bonding, coordination compounds, and the periodic classification of the elements. Three hours lecture.

### CHE 448 Instrumental Analysis
- **3 credit hours**
- **Spring, even academic years**
- **Prereq:** CHE 227, or consent of instructor

Introduction to the theory and practice of modern analytical instrumentation. Chromatography, quantitative spectrometry, electroanalytical, and other instrumental techniques are discussed. Representative samples are analyzed using instrumental methods. Two hours lecture, four hours laboratory.

### CHE 472 Chemistry Seminar
- **2 credit hours**
- **Fall**
- **Prereq:** Junior standing or consent of instructor

Presentation of current and historical topics in chemistry. This course emphasizes practice and presentation of oral and written reports.

### CHE 482 Chemistry Practicum
- **1-2 credit hours**
- **Prereq:** instructor permission

A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.

### CHE 490 Independent Study
- **1-2 credit hours**
- **Prereq:** consent of department

Independent investigation of some problem in one of the fields of chemistry by students who have completed the minimum requirements for a major in chemistry.

### CHE 499 Senior Competency Practicum
- **No credit**

An examination taken by senior majors to assess their knowledge of the field of chemistry and their ability to apply this knowledge to solve practical problems. Normally given during the fall term of the student’s senior year. Consists of an oral examination and/or a written Major Field Test from the Educational Testing Service. Passing grade D- or higher.

### PDP 301 Medical School Admission Preparation
- **1 credit hour**
- **Spring**

This course will help students to prepare for application to medical school. Topics covered will include: 1) the medical school admissions/application process, 2) the medical school interview, 3) alternative careers to medicine, and 4) preparation for the standardized admissions test to medical school (MCAT). The latter topic will be a major emphasis in the course. Pass/Fail.
SNR/SNT 489 Professional Development Experience – BIO, CHE & PHY

<table>
<thead>
<tr>
<th></th>
<th>3-15 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall, spring, or summer</td>
<td>Prereq: Senior standing or consent of the department</td>
</tr>
</tbody>
</table>

This course provides a practical Professional Development Experience related to the field of biology or chemistry. Prerequisite: BIO 390 or CHE 390, and approved Professional Development Experience Proposal (signed by the department chair) and Internship Report I. (All prerequisite materials must be submitted to the supervising faculty member prior to the first day of the semester.)

**Physics Course Descriptions**

**PHY 201 General Physics I - Algebra**

<table>
<thead>
<tr>
<th></th>
<th>5 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Scientific Thinking exploratory</td>
</tr>
<tr>
<td>Prereq: MAT 131 or MAT 135 and permission of the instructor (successful completion of a math pretest); Co-req: PHY 203</td>
<td></td>
</tr>
</tbody>
</table>

An introductory course of a two-semester sequence of algebra-based physics that covers the following topics: linear motion, vector methods, Newton’s laws of motion, forces, gravitation, circular motion, work and energy, momentum, rotational motion, equilibrium, fluids, vibrations, waves, periodic motion and sound, fluids and solids. The course is appropriate for biology and chemistry majors and pre-professional students (pre-med, pre-dental, pre-optometry, exercise science, etc.). Four hours lecture, two hours laboratory.

**PHY 202 General Physics II – Algebra**

<table>
<thead>
<tr>
<th></th>
<th>5 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>Prereq: PHY 201 and PHY 203; Co-req: PHY 204</td>
</tr>
</tbody>
</table>

A second course of a two-semester sequence of algebra-based physics that covers the following topics: electrostatics, electricity and magnetism, DC and AC circuits, light and geometric optics, atomic and nuclear structure, heat and thermodynamics. Four hours lecture, two hours laboratory. The course is appropriate for biology majors and pre-professional students (pre-med, pre-dental, pre-optometry, etc.).

**PHY 203 General Physics I Lab**

<table>
<thead>
<tr>
<th></th>
<th>No credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Co-req: PHY 201 or PHY 211</td>
</tr>
</tbody>
</table>

Lab component of General Physics I. A laboratory-based course that introduces measurement, data acquisition and analytical techniques in physics.

**PHY 204 General Physics II Lab**

<table>
<thead>
<tr>
<th></th>
<th>No credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>Co-req: PHY 202 or PHY 212</td>
</tr>
</tbody>
</table>

Lab component of General Physics II. A laboratory-based courses that consolidates the theoretical principles in the course using experimental physics techniques.

**PHY 211 General Physics I – Calculus**

<table>
<thead>
<tr>
<th></th>
<th>5 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Scientific Thinking exploratory</td>
</tr>
<tr>
<td>Prereq: MAT 135; Co-req: PHY 203</td>
<td></td>
</tr>
</tbody>
</table>

An introductory course of a two-semester sequence of calculus-based physics that introduces the theories, concepts, and techniques of mechanics (kinematics, work and energy, dynamics, rotation, gravitation, and waves) and the application of mechanics to heat flow, called thermodynamics. The course is appropriate for chemistry, physics, mathematics and engineering majors. Four hours lecture, two hours laboratory.
### PHY 212 General Physics II – Calculus

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>5</td>
<td>Prereq: PHY 211 and PHY 203; Co-req: PHY 204</td>
</tr>
</tbody>
</table>

A second course of a two-semester sequence of calculus-based physics. Topics of study include: electricity and magnetism, DC and AC circuits, and geometrical and physical optics, light, and atomic physics. Four hours lecture, two hours laboratory. The course is appropriate for chemistry, physics, mathematics and engineering majors. Four hours lecture, two hours laboratory.

### PHY 240 Modern Physics

<table>
<thead>
<tr>
<th>Type</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>On demand</td>
<td>3</td>
<td>Prereq: PHY 202</td>
</tr>
</tbody>
</table>

An examination of the breakdown of classical physics and the rise of quantum theory. Topics include: special and general relativity, the kinetic theory of gases, an introduction to quantum mechanics and its application to atomic structure, solid state physics, and nuclear physics. The course includes laboratory study of relativistic beta spectroscopy, black body radiation, and the photoelectric effect.

### PHY 300 Topics in Physics

<table>
<thead>
<tr>
<th>Type</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A topic of current interest in physics will be taught. Topics will vary depending on faculty and student interest. The course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.</td>
<td></td>
</tr>
</tbody>
</table>

### PHY 341 Physical Chemistry I

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
</tr>
</thead>
</table>
| Fall     | 3            | Prereq: CHE 122, MAT 135, PHY 201 or PHY 211, and PHY 203  
Coreq:  CHE 343 |


### PHY 342 Quantum Chemistry and Spectroscopy

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring, odd academic years</td>
<td>3</td>
<td>Prereq: CHE 122, MAT 135, PHY 201 or PHY 211, and PHY 203</td>
</tr>
</tbody>
</table>

Elementary quantum mechanics, group theory, and atomic and molecular structure and spectroscopy. Three hours lecture. Same as CHE 342.

### PHY 343 Physical Chemistry Lab I

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>2</td>
<td>Coreq: PHY 341</td>
</tr>
</tbody>
</table>

An introduction to the types of laboratory instrumentation and methods used every day by professional physical and inorganic chemists in research and industry. Substantial emphasis is placed on individual and team responsibility, careful and thoughtful planning, experimentation, data interpretation, and effective communication of results. Experiments will be closely associated with thermodynamics, chemical equilibrium, and include some spectroscopy of primarily inorganic compounds. Four hours laboratory (including pre-lab lecture). Same as CHE 343.
### PHY 344 Quantum Chemistry and Spectroscopy Lab

<table>
<thead>
<tr>
<th>Spring</th>
<th>Prereq: PHY 342 (or concurrently)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 credit hour</td>
<td>An introduction to the types of laboratory instrumentation and methods used every day by professional physical and inorganic chemists in research and industry. Substantial emphasis is placed on individual and team responsibility, careful and thoughtful planning, experimentation, data interpretation, and effective communication of results. Experiments will be closely associated with kinetics, electrochemistry, computational chemistry, and a continuation of spectroscopy. Three hours laboratory. Same as CHE 344.</td>
</tr>
</tbody>
</table>

### PHY 355 Ultrasonography

<table>
<thead>
<tr>
<th>Spring, odd academic years, rotating with PHY 365</th>
<th>Prereq: BIO 210 &amp; 215 or ANAT 210 &amp; 220 or BIO 360 or consent of instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 credit hours</td>
<td>Ultrasound is integrated in the health professions and medical education curriculum extensively because of its non-invasive nature and diagnostic utility. The course is divided into four sections: introductory ultrasonography, musculoskeletal, cardiovascular, and abdominal ultrasonography. The course provides hands-on training for proper utilization and appropriate operation of ultrasound equipment to assess various regions of the body, as well as a review of Focused Assessment with Sonography in Trauma (FAST) assessment. Same as BIO 355.</td>
</tr>
</tbody>
</table>

### PHY 357 Radiation and Health

<table>
<thead>
<tr>
<th>Fall, even academic years</th>
<th>Prereq: CHE 121 &amp; CHE 122 or consent of instructor</th>
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</thead>
<tbody>
<tr>
<td>3 credit hours</td>
<td>This course will provide students with an introduction to the principles of radioactivity and its applications in medical diagnosis. A study of basic physics and chemistry as it applies to radiation and the human body (radiobiology) is followed by an overview of major topics in the field of medical physics: x-rays and their uses in medical imaging, physics of nuclear medicine imaging, ultrasound imaging, magnetic resonance imaging, and radiation therapy for cancer. The course will also include a summary of basic principles for measuring radiation exposure, and different methods of monitoring and protecting against chronic exposure to radiation. Same as CHE 357.</td>
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</tbody>
</table>

### PHY 365 Biomedical Optics

<table>
<thead>
<tr>
<th>Spring, odd academic years, rotating with PHY 355</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>This course will be broadly divided into three categories: geometrical, physical, and visual optics that are pertinent to human-eye-related biomedical and clinical applications. It will begin with the discussion of foundations of geometrical optics describing the behavior of light as rays during reflection, refraction, and dispersion, as well as analyzing optical images, designs and systems and the associated aberrations. The physical-optics aspect of this course introduces the wave model of light propagation and applies it in describing various phenomena like refraction and reflection, dispersion, interference, polarization, and diffraction. This will be followed by a concise deliberation of a few topics related to the quantum nature of light and quantum optics. The final part of the course will address the optics of human eye emphasizing the propagation and interactions of light in biological tissues and physiology of a visual system.</td>
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</tbody>
</table>
To receive academic credit for an undergraduate research experience students must complete a project proposal endorsed by a sponsoring science faculty member. The application will contain an overview of the project, specific project goals, deadlines for the completion of the project, and specific project outcomes that will be evaluated and used to determine the final grade. All projects must meet the following criteria: a) spending an average of 3 hours per week per credit hour (i.e. 6 hours/week during the semester for 2 credits) working on the project; b) writing a scientific paper summarizing the results of the study; c) preparing an electronic poster of the project results; d) maintaining a lab notebook, and e) presenting the results of the project to an audience (at least once per year). The project must be approved by the Chair (or designee) of the sponsoring department.

Supervised, pre-approved academic credit awarded for qualified work in an industrial, government, or academic research laboratory.

Individualized reading or research project in an area not covered in regular courses.

The course will provide an overview of our modern understanding of the universe at an elementary level. Students will learn how following the Big Bang, elements were formed and hence the existence of all that is in the universe has been made possible. Special topics will include the Big Bang, solar system, planets and evidence of life on other planets, stars, galaxies, black holes, dark matter, dark energy, and expansion of the universe. This is an introductory course and no prior math experience is necessary. The course, therefore, starts out with a discussion of basic mathematical thinking necessary for a few portions of the course. The class will travel to various local astronomical sites observatories.

An introduction to the principles of physical geology including plate tectonics, geological time, origins of rock types, erosion, and glaciation. Three hours lecture, two hours lab.
Courses and majors in mathematics and computing are designed to provide students with fundamental knowledge of and facility with concepts and processes in mathematics and computing. Also, the program is intended to help develop interpersonal and lifetime learning skills so students can adapt to new challenges and situations in their personal and professional lives. The department seeks to promote active learning in the classroom through the implementation of cooperative learning, discovery learning, and the incorporation of technology in a variety of hands-on experiences.

All required courses for a major or minor in mathematics or computing, including all related field and prerequisite requirements, must be completed with a C- or better. Prerequisites for non-majors must also be completed with a C- or better. Education students should consult the education department for minimum requirements.

Majors in Computing
Two separate majors are available in the computing field: computer science and software engineering. Both programs provide professional education within the liberal arts setting in the rapidly developing field of computing.

A major in computer science provides the student with a knowledge of both computer applications and higher mathematics that will allow the student to pursue a career as a computer programmer or as a network administrator immediately following graduation or to enter graduate school.

A major in software engineering is intended to provide preparation for a student who wishes to pursue a career as a software developer in business, industry, or government.
Computer Science Major

Computing Core Requirements
- CMP 141 Python for Computing and Data Science I
- CMP 142 Python for Computing and Data Science II
- CMP 283 Web Software Construction and Testing I
- CMP 285 Web Software Construction and Testing II
- CMP 337 Programming Languages
- CMP 352 Data Structures
- CMP 370 Database Design and Processing
- CMP 372 Computer Networks and Security
- CMP 385 Software Engineering I
- CMP 387 Software Engineering II
- CMP 470 Senior Software Maintenance Project
- CMP 473 Senior Software Development Project (includes professional experience and portfolio)
- CMP 499 Senior Competency Practicum

Computer Science Program Track
- CMP 325 Operating Systems
- CMP 348 Computer Architecture and Organization

Professional Development Requirements
- PDP 200 Preparing for Your Internship

Related Field Requirements
- MAT 135 Calculus
- MAT 181 Discrete Mathematics I
- MAT 182 Discrete Mathematics II
- MAT 224 Basic Applied Statistics

Software Engineering Major

Computing Core Requirements
- CMP 141 Python for Computing and Data Science I
- CMP 142 Python for Computing and Data Science II
- CMP 283 Web Software Construction and Testing I
- CMP 285 Web Software Construction and Testing II
- CMP 337 Programming Languages
- CMP 352 Data Structures
- CMP 370 Database Design and Processing
- CMP 372 Computer Networks and Security
- CMP 385 Software Engineering I
- CMP 387 Software Engineering II
- CMP 470 Senior Software Maintenance Project
- CMP 473 Senior Software Development Project (includes professional experience and portfolio)
- CMP 499 Senior Competency Practicum
Software Engineering Program Track
CMP 130 Introduction to Computing
CMP 300 Topics in Computing

Professional Development Requirements
PDP 200 Preparing for Your Internship

Related Field Requirements
BUS 101 Introduction to the Business Mindset
MAT 181 Discrete Mathematics I
MAT 182 Discrete Mathematics II
MAT 224 Basic Applied Statistics

One of the following courses
ACC 221 Principles of Accounting I
ECO 115 Principles of Economics

Data Science Major
Please see separate Data Science section in this course catalog.

Minors in Computing

Computer Science Minor

Required Courses
CMP 130 Introduction to Computing
CMP 141 Python for Computing and Data Science I
CMP 142 Python for Computing and Data Science II
CMP 352 Data Structures

One of the following courses
CMP 325 Operating Systems
CMP 337 Programming Languages
CMP 348 Computer Architecture and Organization
CMP 372 Computer Networks and Security

Software Engineering Minor

CMP 130 Introduction to Computing
CMP 141 Python for Computing and Data Science I
CMP 283 Web Software Construction and Testing I
CMP 285 Web Software Construction and Testing II
CMP 385 Software Engineering

Data Science Minor
Please see separate Data Science section in this course catalog.
Computing Course Descriptions

**CMP 130 Introduction to Computing**  
3 credit hours  
Fall and spring  
Fulfills LA 103 requirement  
Note: Placement into LA 103 or above based upon mathematics placement criteria

An introduction to the field of computing and the use of software applications to enhance quantitative reasoning, problem-solving, and decision-making. Topics include data storage, data manipulation, operating systems, networking and the Internet, algorithms, programming languages, software engineering, data abstractions, database systems, artificial intelligence, and the theory of computation. Hands-on experience with applications, such as spreadsheets and database management systems, is included.

**CMP 141 Python for Computing and Data Science I**  
3 credit hours  
Fall  
Prereq: knowledge of high school algebra

An introduction to computers and structured programming using the Python programming language. Computer science topics include: problem-solving strategies, algorithm formulation, primitive data types, expressions, control structures, proper coding style, debugging, testing, and documentation. Data science topics include: basic descriptive statistics, data visualization, and data frames. Same as DAT 141.

**CMP 142 Python for Computing and Data Science II**  
3 credit hours  
Spring  
Prereq: CMP 141

An introduction to object-oriented design and programming using the Python programming language. Computer science topics include: recursion, object-oriented design, encapsulation, inheritance, polymorphism, file input and output, exception handling, and regular expressions. Data science topics include: natural language processing, data mining, machine learning algorithms, and an introduction to deep learning. Same as DAT 142.

**CMP 150 Computer Tools for Problem Solving**  
2 credit hours  
Spring

A course in which students learn to apply professional scientific computing software to mathematical problems. Topics will include matrices and matrix operations; random number generation; plotting graphs of functions; and curve fitting and interpolation. Students will also learn and apply basic elements of computer programming (relational and logical operators, conditional statements, and loop structures) within MATLAB and R.

**CMP 283 Web Software Construction and Testing I**  
3 credit hours  
Fall  
Prereq: CMP 141 or consent of instructor

An introduction to the fundamental concepts of web software construction and testing. Topics include the client-server model and server-side programming languages (e.g., ASP.NET, C#.NET).

**CMP 285 Web Software Construction and Testing II**  
3 credit hours  
Spring  
Prereq: CMP 283 or consent of instructor

An advanced study of the concepts of web software construction and testing. Topics include database connectivity and client-side programming languages (e.g., JavaScript).

**CMP 300 Topics in Computing**  
1-3 credit hours  
Spring, odd academic years  
Prereq: CMP 142 and junior standing, or consent of instructor

A topic of current interest in computing will be taught. Topics will vary depending on technological developments and faculty interests. Offered at the request of a faculty member and with approval of the Vice President of Academic Affairs.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMP 325</td>
<td>Operating Systems</td>
<td>3</td>
<td>Spring, odd academic years</td>
<td>Prereq: CMP 142</td>
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<tr>
<td></td>
<td>Introduces the fundamentals of operating systems design</td>
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<td>and implementation. Topics include an overview of the</td>
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<td>components of an operating system, mutual exclusion and</td>
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<td>synchronization, implementation of processes, scheduling</td>
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<td>algorithms, memory management, and file systems.</td>
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<tr>
<td>CMP 337</td>
<td>Programming Languages</td>
<td>3</td>
<td>Spring, odd academic years</td>
<td>Prereq: CMP 142</td>
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<td></td>
<td>An introduction to programming languages and the major</td>
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<td>paradigms. The structure of the languages as well as</td>
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<td>their approach to problem-solving will be studied.</td>
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<td>Topics may include imperative, functional, object-oriented,</td>
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<td>and logic-based languages.</td>
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<tr>
<td>CMP 348</td>
<td>Computer Architecture and Organization</td>
<td>3</td>
<td>Spring, even academic years</td>
<td>Prereq: CMP 142</td>
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<td>This course is an introduction to computer architecture</td>
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<td>and organization. Topics include: digital logic, circuit</td>
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<td>design, machine-level representation of data, assembly-</td>
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<td>level machine organization, memory system organization</td>
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<td></td>
<td>and architecture, interfacing and communication, and</td>
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<td>functional organization. Additional topics on</td>
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<td>multiprocessing, alternative architectures, and</td>
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<td>performance measurements may be included.</td>
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<tr>
<td>CMP 352</td>
<td>Data Structures</td>
<td>3</td>
<td>Fall, odd academic years</td>
<td>Prereq: CMP 142</td>
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<td>This is an advanced course in the use, development, and</td>
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<td>analysis of data structures and the algorithms that</td>
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<td>operate on them. Students will gain a firm understanding</td>
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<td>of the fundamental data structures of arrays and linked</td>
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<td>lists and how they are used to implement other formal</td>
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<td>data structures such as stacks, queues, binary search</td>
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<td>trees, and graphs. This course will particularly</td>
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<td>emphasize data encapsulation of such structures, as</td>
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<td>well as include significant experience with tree and</td>
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<td></td>
<td>graph representations. Multithreaded and parallel</td>
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<td>programming will be introduced. Complete and detailed</td>
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<td>algorithm analyses will also be introduced.</td>
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<tr>
<td>CMP 360</td>
<td>Operations Research</td>
<td>3</td>
<td>Fall, odd academic years</td>
<td>Prereq: MAT 135, MAT 181, MAT/SOC 224, or consent of instructor</td>
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<td></td>
<td>Introduction to the field of operations research. PERT,</td>
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<td>linear and integer programming, use of statistical</td>
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<td>reasoning, and computer methods are included.</td>
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<tr>
<td>CMP 370</td>
<td>Database Design and Processing</td>
<td>3</td>
<td>Fall, odd academic years</td>
<td>Prereq: CMP 142 and junior standing, or consent of instructor</td>
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<td></td>
<td>An introduction to database concepts. Topics include</td>
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<tr>
<td></td>
<td>file systems and databases, the relational database</td>
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<td></td>
<td>model, structured query language, entity relationship</td>
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<td>modeling, database table normalization, transaction</td>
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<td>management and concurrency control, and data warehouses.</td>
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<tr>
<td>CMP 372</td>
<td>Computer Networks and Security</td>
<td>3</td>
<td>Fall, even academic years</td>
<td>Prereq: CMP 142 or consent of instructor</td>
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<tr>
<td></td>
<td>This course is an introduction to computer networks and</td>
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<td>security. Topics include: methods of data transmission,</td>
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<td>data encoding and error correction, internet and</td>
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<td>transport protocols, routing algorithms and flow control,</td>
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<tr>
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<td>network design, internetworking, and security. Students</td>
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<tr>
<td></td>
<td>will learn and develop network applications.</td>
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</tbody>
</table>
### CMP 385 Software Engineering I: Analysis and Design

<table>
<thead>
<tr>
<th>Fall, even academic years</th>
<th>Prereq: CMP 285 and junior standing, or consent of instructor</th>
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</thead>
</table>

An introduction to the concepts associated with the analysis and design activities of the software engineering process. Topics include software activities and tasks, process models, methodology development and tailoring, project scheduling, monitoring, and control, requirements analysis, project estimation, decision analysis, back-end design, front-end design, and component design.

### CMP 387 Software Engineering II: Implementation and Maintenance

<table>
<thead>
<tr>
<th>Spring, even academic years</th>
<th>Prereq: CMP 385 and junior standing, or consent of instructor</th>
</tr>
</thead>
</table>

An introduction to the concepts associated with the implementation and maintenance activities of the software engineering process. Topics include software quality assessment, quality control, measurement, metric construction, configuration management, change control, construction, testing, system conversion, and maintenance.

### CMP 470 Senior Software Maintenance Project

<table>
<thead>
<tr>
<th>Fall</th>
<th>Prereq: senior standing and departmental consent</th>
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</thead>
</table>

A supervised, pre-approved experience which requires the student to select an existing system maintenance project from a pool of requests and perform the necessary activities to solve the maintenance problem.

### CMP 473 Senior Software Development Project

<table>
<thead>
<tr>
<th>Spring</th>
<th>Prereq: CMP 470, senior standing, and departmental consent; Co-req: CMP 499</th>
</tr>
</thead>
</table>

Requires the selection and completion of the senior project, which involves the analysis, design, implementation, and delivery of a fully-functioning computer system as well as the development of all relevant technical documentation.

### CMP 482 Computer Practicum

<table>
<thead>
<tr>
<th>1-2 credit hours</th>
<th>Prereq: instructor permission</th>
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</table>

A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.

### CMP 490 Independent Study

<table>
<thead>
<tr>
<th>1-2 credit hours</th>
<th>Prereq: departmental consent</th>
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</thead>
</table>

Courses are designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings. Course work is planned by student and instructor jointly to meet student’s individual needs.

### CMP 499 Senior Competency Practicum

<table>
<thead>
<tr>
<th>Spring</th>
<th>Co-req: CMP 473</th>
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</thead>
</table>

The senior competency practicum consists of two components. The first component, the written part of the senior competency requirement, is written documentation from the senior project completed in CMP 473. The second component, the oral part of the senior competency requirement, is a formal presentation of the senior project. A team of at least four individuals will judge the student’s skill in presentation, knowledge of the system, and ability to communicate with the audience. Students must earn a C- or higher.
Data Science

Department: Mathematics and Computing
Department Chair: J. Boardman
Department Members: R. Beasley, J. Boardman, D. Callon, P. Fonstad, S. Hoehn, K. Smith, A. Walls

Majors: Data Science
Minors: Data Science

Data science is a rapidly growing interdisciplinary field that lies at the intersection of mathematics, statistics, computer science, and a domain of application. Knowing the context surrounding data being analyzed is critical to making informed decisions, so data science majors at Franklin College take courses from a related field to which data science techniques can be applied. A data science capstone course then gives students experience applying the entire data science life cycle to data from their related field. A data science minor is also available for students who would prefer to focus more heavily on the area of application while still learning some of the key ideas and technical skills from the field of data science. Both data science majors and minors learn how to recognize places where discriminatory bias can infiltrate data-based algorithmic systems and are equipped with the skills needed to approach data science projects from an equity perspective.

All required courses for a major or minor in data science, including all related field and prerequisite requirements, must be completed with a C- or better. Prerequisites for non-majors must also be completed with a C- or better. Education students should consult that department for minimum requirements.

Data Science Major

Core Requirements
- CMP 150 Computer Tools for Problem Solving
- CMP 352 Data Structures and Algorithms
- CMP 370 Database Design and Processing
- DAT 110 Data Equity and Bias
- DAT 141 Python for Computing and Data Science I
- DAT 142 Python for Computing and Data Science II
- DAT 471 Data Science Capstone
- DAT 499 Senior Competency Practicum
- MAT 135 Calculus
- MAT 140 Introduction to the Mathematical Sciences
- MAT 142 Calculus II
- MAT 181 Discrete Mathematics I
- MAT 182 Discrete Mathematics II
- MAT 224 Basic Applied Statistics
- MAT 233 Linear Algebra
- MAT 343 Probability Theory
- MAT 345 Statistical Consulting Project

Professional Development Requirements
- PDP 200 Preparing for your Internship
- PDP 330 Big Data and the Professional Workplace
**Related Field Requirements**

**One of the following courses**
- ECO 380 Econometrics
- MAT 344 Mathematical Statistics

At least two additional courses at the 200-level or above from a discipline other than CMP/DAT/MAT to which data science can be applied. Data from this discipline should be the focus of the student’s DAT 471 Data Science Capstone. Students should choose these courses in consultation with their academic advisor.

**Data Science Minor**

**Core Requirements**
- DAT 110 Data Equity and Bias
- DAT 141 Python for Computing and Data Science I
- MAT 224 Basic Statistics

**One of the following**
- CMP 150 Computer Tools for Problem Solving
- DAT 142 Python for Computing and Data Science II

**One of the following options**

*Option 1: MAT 345 Statistical Consulting Project AND PDP 330 Big Data and the Professional Workplace*

*Option 2: MAT 345 Statistical Consulting Project OR PDP 330 Big Data and the Professional Workplace, AND one additional course from the following**:
- ACC 235 Data Management and Analysis
- BIO 365 Geographic Information Systems
- CMP 352 Data Structures and Algorithms
- CMP 360 Operations Research
- CMP 370 Database Design and Processing
- ECO 380 Econometrics
- EXE 402 Research Methods in Exercise Science and Athletic Training II
- MAT 135 Calculus
- MAT 181 Discrete Mathematics I
- MMJ 210 Advanced Reporting and Database Research
- PSY 420 Advanced Statistics & Research Methods in Psychology II
- SOC 227 Inquiry in the Social Sciences
- SOC 425 Research Methods I

*Option 1 is not available to MAT majors

**Some of the additional courses listed for Option 2 have significant pre-requisite requirements that must be fulfilled prior to taking those courses. In addition, the additional course for Option 2 may not be used to fulfill a requirement for a MAT or CMP major, but may be used for MAT/CMP double-majors.

Complete course descriptions for each of these offerings may be found elsewhere in this catalog under the appropriate major headings.
**Data Science Course Descriptions**

<table>
<thead>
<tr>
<th>DAT 110 Data Equity and Bias</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>Diversity exploratory</td>
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</tbody>
</table>

Increasingly, the decisions that affect our lives—where we go to school, whether we get a car loan, how much we pay for health insurance—are being made not by humans, but by data-driven computer algorithms. In theory, this should lead to greater fairness, but the opposite is often the case as discriminatory bias can infiltrate algorithmic systems in a variety of ways. This data-driven discrimination can compound problems for society’s most vulnerable groups, leading to increased polarization and inequality. In this course, students will learn about some of the ways in which data are currently used to make decisions, reflect on the possible ramifications of those decisions, examine which groups of people may be disproportionately alienated or harmed by the processes, and discuss how to approach data projects from an equity perspective.

<table>
<thead>
<tr>
<th>DAT 141 Python for Computing and Data Science I</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Prereq: knowledge of high school algebra</td>
</tr>
</tbody>
</table>

An introduction to computers and structured programming using the Python programming language. Computer science topics include: problem-solving strategies, algorithm formulation, primitive data types, expressions, control structures, proper coding style, debugging, testing, and documentation. Data science topics include: basic descriptive statistics, data visualization, and data frames. Same as CMP 141.

<table>
<thead>
<tr>
<th>DAT 142 Python for Computing and Data Science II</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>Prereq: DAT 141</td>
</tr>
</tbody>
</table>

An introduction to object-oriented design and programming using the Python programming language. Computer science topics include: recursion, object-oriented design, encapsulation, inheritance, polymorphism, file input and output, exception handling, and regular expressions. Data science topics include: natural language processing, data mining, machine learning algorithms, and an introduction to deep learning. Same as CMP 142.

<table>
<thead>
<tr>
<th>DAT 471 Data Science Capstone</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>Pre-req: Senior standing and departmental consent Co-req: DAT 499</td>
</tr>
</tbody>
</table>

This course draws on the knowledge and skills learned in the data science curriculum. A major data science project from a related domain of application that involves defining a problem, collecting data, exploring data, building models to analyze the data, and evaluating the models will be completed. A research paper that summarizes the methods and results and an oral presentation to clients and faculty evaluators are required. Taken concurrently with DAT 499.

<table>
<thead>
<tr>
<th>DAT 499 Senior Competency Practicum</th>
<th>0 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>Co-req: DAT 471</td>
</tr>
</tbody>
</table>

The senior competency practicum consists of two components. The first component is the written report from the capstone project completed in DAT 471. The second component is a formal presentation of the senior capstone project from DAT 471. A team of at least three individuals will judge the student’s knowledge of the data science workflow and data science techniques, as well as their ability to communicate with the audience. Taken concurrently with DAT 471. Students must earn a C- or higher.
Economics

**Department:** Economics, Business, and Accounting  
**Department Chair:** S. Scheer  
**Department Members:** C. Fleming, E. Jones, S. Scheer, J. Squires

**Major:** Economics (Tracks: Traditional and Graduate School Preparation) and Political Economy  
**Minor:** Economics and Political Economy

The department provides theoretical and practical education in these programs: economics, business, and accounting. Majors and minors are offered in each of these programs.

The economics curriculum is designed to provide majors with sufficient knowledge, skills, and experiences in their chosen discipline so they can understand and apply economic analysis. The program offers courses that survey the various sub disciplines within economics, develop the analytical skills necessary to “do” economics, and provide, by way of assignments and experiences, opportunities for using the knowledge and skills. Students completing the major will then be in a position to take the next step in their careers, whether it be employment in business or government, continued education in law or other graduate schools, or family and community service.

Franklin College’s interdisciplinary major, the political economy examines the relationship between politics and economics in modern societies and focuses on problems of both domestic and international policy. Students study the political and economic factors that affect, and are affected by, systems of production, exchange, and distribution, that is, political economy analyzes how international and domestic political factors interact with micro- and macro-economic factors to determine outcomes in a wide variety of areas including globalization, international trade and finance, regulation, development, taxes, and income distribution. As a result, students will be able to think logically and analytically about the problems that face humankind internationally and domestically. They will be prepared for law school, graduate school and employment by private sectors and government at the local, state, and federal levels, as well as careers in teaching.

A major or minor in economics or political economy requires the student to have a minimum graduation GPA of 2.00 (A=4.00) in all required major/minor courses and to complete with grades of C- or better all coursework for the major, minor, and related field. Furthermore, regardless of major, all students taking economics courses must complete all prerequisites with a C- or better.

Students who excel in the program have the opportunity to join Delta Mu Delta, the national business honor society. Juniors and seniors who have earned an overall GPA of 3.3 at the time of invitation are eligible to join. Additionally, many scholarships are available to students who excel in the program.

**Note:** Economics and Political Economy majors and minors must complete MAT 131 (except Graduate School Preparation Track), ECO 115, ECO 221, and ECO 223 with a ‘C-’ or better before enrolling in 300 or 400 level course in the department.
Economics Major – Traditional Track

This track provides students with a broader and deeper view of primary area of study in economics.

Core requirements
- ECO 115 Principles of Economics
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics
- ECO 380 Econometrics
- ECO 475 Strategic Implementation Project
- ECO 499 Senior Competency Practicum
- MAT 131 Introduction to Quantitative Analysis

Four of the following courses
- ECO 300 Topics in Economics
- ECO 330 Money and Banking
- ECO/BUS 340 Business Organization and Public Policy
- ECO/BUS 350 International Business and Finance
- ECO/BUS 360 Labor Economics and Management
- ECO/BUS 362 Consumer Behavior
- BUS 351 Business Finance
- PHL 220 Principles of Ethics

Professional Development Requirements
- ECO 498 Portfolio
- PDP 200 Preparing for Your Internship
- INT XXX Internship in Economics or related field

Related field courses required
- ACC 221 Principles of Accounting I
- ACC 235 Data Management and Analysis
- MAT 224 Basic Applied Statistics
- CMP 130 Introduction to Computing
**Economics Major – Graduate School Preparation Track**

This track is designed for students who are interested in graduate school (PhD in economics). Students become ready for graduate work in economics (PhD level) once they complete the track. Note that this track does not require students to apply for graduate school.

**Core requirements**
- ECO 115 Principles of Economics
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics
- ECO 380 Econometrics
- ECO 475 Strategic Implementation Project
- ECO 499 Senior Competency Practicum

**Four of the following courses**
- ECO 300 Topics in Economics
- ECO 330 Money and Banking
- ECO/BUS 350 International Business and Finance
- ECO/BUS 360 Labor Economics and Management
- ECO/BUS 362 Consumer Behavior
- BUS 351 Business Finance

**Professional Development Requirements**
- ECO 498 Portfolio
- PDP 200 Preparing for Your Internship
- INT XXX Internship in Economics or related field

**Related field**

**Statistics Requirement:**
- MAT 224 Basic Applied Statistics

**Mathematics Requirement:** all of the following courses
- MAT 135 Calculus
- MAT 142 Calculus II
- MAT 233 Linear Algebra
- MAT 253 Calculus III
- MAT 256 Differential Equations

**Political Economy Major**

*Cannot be combined with Economics and/or Political Science majors and/or minors*

**Core requirements**

**Political Science Field**
- POL 110 American National Government
- POL 120 Introduction to International Relations
- POL 130 Introduction to Comparative Politics
- POL 336 Introduction to Public Policy
- POL 360 Social and Political Thought


**Economics Field**
- ECO 115 Principles of Economics
- ECO 223 Intermediate Macroeconomics

**Statistics Field**
- ECO 380 Econometrics

**Senior Capstone Courses**
- ECO 475 Strategic Implementation Project
- ECO 499 Senior Competency Practicum or POL 499 Senior Competency Practicum

**Elective courses**

**Political Science Field** – choose three courses from the following
- POL 316 American Presidency
- POL 317 American Congress
- POL 320 International Security and Conflict Management
- POL 341 International Law and Organizations
- POL 350 Public Administration
- POL 390 American Foreign Policy
- POL 410 American Constitutional Law I: Powers and Duties
- POL 420 American Constitutional Law II: Civil Rights and Liberties

**Economics Field** – choose two courses from the following
- ECO 330 Money and Banking
- ECO 350 International Business and Finance
- ECO 360 Labor Economics and Management

**Professional Development Requirement**
- PDP 200 Preparing for Your Internship
- INT XXX Internship in Economics or related field (4 credits) or SNR/SNT489 (POL) Senior Internship/Project (4-6 credits)
- ECO 498 Portfolio or POL 498 Portfolio (take with POL 470)

**Related Field Requirement**
- MAT 131 Introduction to Quantitative Analysis
- MAT 224 Basic Applied Statistics

**Two of the following courses**
- ACC 341 Introduction to Taxation
- BUS 341 Business Law I
- PHL 220 Principles of Ethics
- PSY 320 Social Psychology
- SOC 210 Criminal Justice
- SOC 321 Criminology
- Other course approved by faculty from both political science and economics
Economics Minor

Required courses
- ECO 115 Principles of Economics
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics

Three of the following courses
- ECO 300 Topics in Economics
- ECO 330 Money and Banking
- ECO/BUS 340 Business Organization and Public Policy
- ECO/BUS 350 International Business and Finance
- ECO/BUS 360 Labor Economics and Management
- ECO/BUS 380 Econometrics

Political Economy Minor
Cannot be combined with Economics and/or Political Science majors and/or minors

Core requirements
Political Science Field
- POL 110 American National Government
- POL 120 Introduction to International Relations
- POL 336 Introduction to Public Policy

Economics Field
- ECO 115 Principles of Economics
- ECO 223 Intermediate Macroeconomics

Elective courses
Political Science Field – choose one course from the following
- POL 130 Introduction to Comparative Politics
- POL 225 State and Local Government
- POL 316 American Presidency
- POL 317 American Congress
- POL 360 Social and Political Thought

Economics Field – choose one course from the following
- ECO 330 Money and Banking
- ECO 350 International Business and Finance
- ECO 360 Labor Economics and Management
## Economics Course Descriptions

**ECO 115 Principles of Economics**  
3 credit hours  
Fall and Spring  
Human Behavior exploratory

Provides an introductory survey of economic theory as it relates to issues of price determination, resource allocation, income distribution, inflation, unemployment, and economic growth. Course emphasis is on how the market system works in the American economy.

**ECO 221 Intermediate Microeconomics**  
3 credit hours  
Fall and Spring  
Prereq: ECO 115 and MAT 131 or consent of instructor. MAT 135 replaces MAT 131 ONLY for NON-EBA major students.

This course provides the theory of consumption, production, pricing, market structure, competitive strategy, market failure and resource allocation. Technique of market analysis is applied to the determination of prices and quantities, in both product and resource markets. Economic issues of monopolies, inequality and pollution are examined.

**ECO 223 Intermediate Macroeconomics**  
3 credit hours  
Fall and Spring  
Prereq: ECO 115 and MAT 131 or consent of instructor. MAT 135 replaces MAT 131 ONLY for NON-EBA major students.

This course explains how the level of national income, aggregate output, price levels and unemployment are measured and determined. Then, the course focuses on classical theory and Keynes’ General Theory to explain how the economy fluctuates in the short run and long run. The course also explains the role of fiscal and monetary policies and how these policies will be used to guide the macro-economy stabilized. The course also offers the Solow growth Model to explain economic growth in the very long run and gives students the opportunity to consider the determinants of the economic growth for the nation.

**ECO 300 Topics in Economics**  
3 credit hours

A topic of current interest in economics will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of faculty member and with approval of the Vice President of Academic Affairs.

**ECO 330 Money and Banking**  
3 credit hours  
Spring, odd academic years  
Prereq: ECO 223

Develops the principles of money, credit, and banking. This incorporates the study of monetary theories and policies, as well as descriptions of the U.S. banking and financial system.

**ECO 340 Business Organization and Public Policy**  
3 credit hours  
Spring, odd academic years  
Prereq: ECO 115

Studies industrial organization and public policy toward business. The course examines the economic rationale and impact of antitrust legislation and government regulation of business activity. Same as BUS 340.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
<th>Prereq</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 350</td>
<td>International Business and Finance</td>
<td>3</td>
<td>Spring, even academic years</td>
<td>Prereq: ECO 223</td>
</tr>
<tr>
<td></td>
<td>Surveys the theories of international trade, investment, and finance. The balance-of-payments statement, tariffs and other forms of protectionism, multinational enterprises, foreign-exchange markets, and the international financial system are all topics of discussion. Same as BUS 350.</td>
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</tr>
<tr>
<td>ECO 360</td>
<td>Labor Economics and Management</td>
<td>3</td>
<td>Spring</td>
<td>Prereq: ECO 221</td>
</tr>
<tr>
<td></td>
<td>Examines the operation of labor markets and the economic framework of employer-employee relations. Particular labor issues, labor legislation, and other government regulations pertaining to labor are discussed. Same as BUS 360.</td>
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<td></td>
</tr>
<tr>
<td>ECO 362</td>
<td>Consumer Behavior</td>
<td>3</td>
<td>Spring</td>
<td>Prereq: BUS 361</td>
</tr>
<tr>
<td></td>
<td>The course is designed to furnish students with basic information necessary to understand consumer reaction to marketing stimuli. The emphasis is on gaining knowledge about consumers in order to achieve effective interface of producers and consumers. The course is highly interdisciplinary, drawing heavily on psychology and sociology, and the focus throughout is on the link between consumer behavior and marketing strategy. Same as BUS 362.</td>
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<td></td>
</tr>
<tr>
<td>ECO 380</td>
<td>Econometrics</td>
<td>4</td>
<td>Fall</td>
<td>Prereq: ECO 115 and MAT/PSY/SOC 224, or consent of instructor</td>
</tr>
<tr>
<td></td>
<td>This course is designed for students who obtained basic statistical concept and elementary econometrics through MAT 224. The course provides students with an advanced level of research methodology to analyze business and economic problems. The course focuses on departing Gauss-Markov assumptions and learning non-linear regression model, time series (including serial correlation), panel data, simultaneous equations model, and generalized least squares (GLS) methodology, so that students can conduct research analysis correctly. During the course students will use actual data of business and/or economics to conduct a research analysis, for which students use the statistical software, R. Same as BUS 380.</td>
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</tbody>
</table>
ECO 475 Strategic Implementation Project | 3 credit hours
---|---
Fall through 2021-2022; Spring beginning 2022-2023 | Prereq: ECO majors with senior standing having completed all core requirements with a grade of “C-” or better. Non-EBA majors must have senior standing and consent of instructor. Non-EBA majors who wish to have ECO 475 substitute for their major or departmental capstone course must have senior standing, consent of instructor, and consent of department chair in their major field.

This course is the senior capstone for economics majors. Students will work in teams to solve complex business problems in a simulated boardroom setting as they address and solve a real-life business challenge that has been presented to them by Franklin College Alumni or others who have current and relevant projects to complete. Students are expected to synthesize material in all business, economics, and accounting courses in preparing solutions to these problems, and to present their solutions with a formal oral and written report directly to the business owners/managers who tasked them with the project. Teams will be expected to defend their solutions/suggestions, and prepare any follow-up work requested by the business owners/managers. Some time will be spent on resume development and job search/interview strategies. Depending upon project and project sponsor’s wishes, this course may be followed in the subsequent spring semester by an optional SNT 489 (Senior Internship Project, 1-3 credit hours, Spring) serving as a Strategic Implementation Project Follow-Up Internship.

ECO 482 Economics Practicum | 1-2 credit hours
---|---
| A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.

ECO 490 Independent Study | 1-2 credit hours
---|---
| Prereq: departmental consent
Course is designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in regular departmental course offerings.

ECO 498 Portfolio | No credit
---|---
Spring | The portfolio requirement will be met by creating the portfolio. Students will develop a comprehensive portfolio documenting skills learned and assessment of such skills.

ECO 499 Senior Competency Practicum | No credit
---|---
Spring | Satisfactory performance on ETS major field test in economics. Passing grade ‘D-’ or better.
Education

**Director of Teacher Education:** C. Prather  
**Director of Transition to Teaching Program:** J. Cardinal-Donnelly  
**Education Technology Specialist:** M. Henry  
**Department Chair:** A. Schulz  
**Department Members:** K. Deppe, S. Hall, L. Jochim

The Franklin College Education Department programs are approved by the Indiana Department of Education.

**Major:** Elementary Education (requires a minor or concentration as noted below)  
**Indiana Teacher Licensing Pathways:**

1. **Elementary:** Elementary Education Generalist (grades K-6) requires Elementary Education major and a minor or concentration area  
2. **Secondary:** Secondary Content Licensing (grades 5-12) requires undergraduate degree in content area and completion of the Transition to Teaching Program upon graduation (For Transition to Teaching Program see Appendix A on page 373)

**Minor or Concentration Area Required for Elementary Education Licensing:**  
A candidate for Elementary Teacher Licensing in Indiana must complete the Elementary Education major and a minor or concentration area as defined in the state of Indiana Elementary Education Curriculum Requirements. Proof of completed minor or concentration areas is reported to the Teacher Licensing Advisor. Acceptable college minors and concentration areas are those in the following areas: Language Arts, Mathematics, Science (Chemistry, Life Science, Physics), Social Studies (Economics, Government and Citizenship, Historical Perspectives, Psychology, Sociology), Physical Education, Health Education, Fine Arts (Instrumental and General Music, Theater Arts, Visual Arts, Vocal and General Music), World Languages (French, Spanish), Computer Education, and Journalism.

Concentration areas are only for Elementary Education majors. A concentration is intended to strengthen the licensing candidate in an area related to teaching in an elementary school. A concentration area consists of a minimum of 9 hours within another major area of study, with a required grade of 2.0. Any course with a LA/EDE/EDU prefix is excluded. Activity courses and those with pass-fail designations do not count towards the 9 hours. Concentration areas required for Indiana teacher licensing are tracked by the candidate with the assistance of the candidate’s academic advisor and the Education Department.

The Teacher Education Program at Franklin College focuses on preparing competent, caring decision makers. It is an outgrowth of the liberal arts structure of the college. The foundation of the Franklin College Education Program is the extensive practical experience that students gain by working with children and experienced teachers in accredited school classrooms. Each Franklin College Elementary Education Department methods course is tied to a co-requisite field experience. Students acquire knowledge of how children learn, methods of teaching, and the workings of a school community through these experiences. Depth of knowledge is provided by the college’s rich and rigorous liberal arts and departmental curricula.

Compliance with regulations established by the Indiana Department of Education and state and national accreditors may alter the Education Department policies, curricula, and course content regardless of the date of enrollment at Franklin College. Candidates are advised to work closely with the Education Department academic advisors to keep abreast of any and all changes.
Academic Advising
Every candidate has an academic advisor who assists with curricular and class scheduling matters and some phases of career planning. While the academic advisors and other personnel are available for assistance, the primary responsibility for taking appropriate and required courses to meet graduation and licensure requirements rests with the candidate.

Admission Requirements for Elementary Education Major
To be considered for admission into the Teacher Education Program for fall of the junior year, candidates must submit a formal application to the Education Department. Registration for junior-level courses and application to the program do not guarantee admission to the program. Admission to the Teacher Education Program is a prerequisite all 300/400 level professional education courses, field experiences, and internships.

The Education Department evaluates each application according to the admission criteria which include:

- cumulative GPA of 3.0 (A=4.00)
- no grade below a “C” in any professional education course
- satisfactory grades in all education field experiences/internships
- passing scores on the department’s dispositional evaluations
- documentation of passing scores on nationally-normed, basic skills tests in the areas of Reading, Writing, and Mathematics
- successful completion of the following courses: EDE 124, EDU 210, EDE 222, EDE 225, EDE 230, EDE 235, EFE 284, PSY 117, LA 103 or approved MAT substitute, and LA 111

Candidates admitted to the Teacher Education Program are monitored regularly to ensure that satisfactory progress is being made toward graduation and licensure. To advance in the program, candidates must continue to meet all standards established by the Education Department.

Transfer Credit for Elementary Education Program
EDE 124: Critical Skills for Educators, junior-level courses, and senior-level courses are not subject to transfer credit approval.

Minimum Grades for Elementary Education Program
A teacher education candidate must receive a grade of a “C” or better in any professional education course.

Background Clearance Reports for Clinical Field School Placements
Candidates enrolled in Education Department courses will have many interactions with P-12 students during clinical field experiences and are therefore expected to be law-abiding citizens who can satisfactorily pass the P-12 school’s requirements for a criminal history check. If a clinical field school experience placement request is rejected due to issues with the candidate’s criminal history report or background check, Franklin College has no further obligation regarding placement for that term.

Acceptance for Elementary Education Student Teaching
Student Teaching applications must be submitted to the Education Department during the junior year. A Student Teaching placement will be sought only for those candidates who have successfully met all program requirements to date and have been approved for a Student Teaching placement. All coursework required for graduation in the Elementary Education major except EDE 456, EDE 499, and EST 499 must be satisfactorily completed before the start of the student teaching semester.
**Additional Fees**
All Education Department clinical field and internship experiences carry a fee as well as many Education Department courses. Fees can be found in the annually updated fees section of the academic catalog. It is the responsibility of the candidate to pay any fees associated with P-12 school experiences. Also, it is the responsibility of the candidate to pay the fees associated with nationally standardized tests that are required for admission to the Elementary Education program; the Indiana pedagogy licensing practice test (prior to graduation); and the Indiana content and pedagogy licensing tests.

**Indiana Licensing Requirements for Elementary Teachers**
Successful completion of the Elementary Education Program enables a program graduate to be eligible for an initial K-6 Elementary Generalist teaching license. To be recommended for an Indiana State teaching license by the Teacher Licensing Advisor, a graduate must submit an on-line license application after meeting all state licensing requirements. The state licensing requirements include, but are not limited to:

- Satisfactory completion of 10 or more consecutive weeks of Student Teaching
- Passing scores on all standardized tests required for licensing
- Proof of current CPR/Heimlich/AED certification per licensing guidelines
- Proof of satisfactory completion of Suicide Prevention Training per licensing guidelines
- Proof of satisfactory completion of all college and elementary teacher education program requirements including a minor or concentration area

Note: Official licensing test scores, CPR/Heimlich/AED certification, and Suicide Prevention Training certification must be on file at the Franklin College Education Department along with proof of completion of stated minor or concentration area before an application for teacher licensing will be processed.
**Elementary Education**

The elementary teaching program is based on a broad general education background with a major in elementary education. The program is tightly structured. Consequently, interested students must work closely with their advisors to complete related-area requirements in a timely, sequential manner. Two immersive term internships are required for elementary education majors.

**Elementary Education Major**

**Professional Education Requirements:** *Students must earn at least a “C”*

- EDE 124 Critical Skills for Educators
- EDU 210 Educational Philosophy, Law, & Ethics
- EDE 222 Child Development and Educational Psychology
- EDE 225 Standards-Based Planning & Digital Learning
- EDE 230 Survey of Exceptional Children
- EDE 235 Teaching English Language Arts-Elementary
- EDU 315 Human Diversity in the Classroom
- EDE 330 Teaching Exceptional Children-Elementary
- EDE 337 Teaching Science-Elementary
- EDE 344 Scientifically Based Reading Instruction (K-3)
- EDE 345 Scientifically Based Reading Instruction (Grades 4-6)
- EDE 366 Teaching Math-Elementary
- EDE 424 Teaching Health & Wellness-Elementary
- EDE 443 Interdisciplinary Unit Planning and Teaching: STEAM-Elementary
- EDE 444 Teaching Social Studies-Elementary
- EDE 456 Seminar in Student Teaching
- EDE 457 Assessment and Classroom Management-Elementary
- EDE 499 Senior Competency Practicum

**The following courses**

- PSY 117 General Psychology
- LA 103 Quantitative Reasoning or approved MAT prefix substitute (Not CMP 130)
- LA 111 Public Speaking

**Optional Coursework**

- EDU 401 CPR/AED/Heimlich Certification for Education Majors

**Field Experiences:** *A grade of Satisfactory “S” is required in all field experiences. Students must earn at least a grade of “C” in EST 489 Student Teaching.*

- EFE 284 Field Experience in Elementary Education
- EFE 384 Field Experience in Elementary Education
- EFE 385 Field Experience in Elementary Education
- EFE 484 Field Experience in Elementary Education
- EST 489 Student Teaching in Elementary Education

**Immersive Term:** *A grade of satisfactory “S” is required in all internships*

- INE 200 Internship in Education
- INE 300 Internship in Education
**Elementary Education Major – Required Minor or Concentration**

Acceptable college minors and concentration areas are those in the following areas: Language Arts, Mathematics, Science (Chemistry, Life Science, Physics), Social Studies (Economics, Government and Citizenship, Historical Perspectives, Psychology, Sociology), Physical Education, Health Education, Fine Arts (Instrumental and General Music, Theater Arts, Visual Arts, Vocal and General Music), World Languages (French, Spanish), Computer Education, and Journalism. See section introduction for more information.
### Education Course Descriptions

#### Elementary Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Year(s)</th>
<th>Prerequisites/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 124</td>
<td>Critical Skills for Educators</td>
<td>2</td>
<td>Freshman</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course introduces students to the teaching profession and provides practical opportunities to develop those essential skills and dispositions necessary to become an effective teacher. Special emphasis will be given to the education department’s program expectations and processes for those students seeking teacher licensure.</td>
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</tr>
<tr>
<td>EDU 210</td>
<td>Educational Philosophy, Law, and Ethics</td>
<td>3</td>
<td>Freshman or sophomore</td>
<td>Civic Learning exploratory</td>
</tr>
<tr>
<td></td>
<td>School professionals and education policymakers must understand the complex contexts in which students learn in U.S. schools. Accordingly, students in this course will consider the legal, social, and ethical challenges facing teachers and other school professionals. The course will address philosophical underpinnings of the American system of education. Additionally, students in the class will learn about significant legal frameworks that govern teaching and learning in U.S. schools, with a keen eye toward professional competence in classroom and school leadership. Course will survey historic and contemporary issues in school law, ethics, and educational philosophy. <strong>This course is for those intending to pursue an Indiana Teaching License.</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>EDE 222</td>
<td>Child Development and Educational Psychology</td>
<td>2</td>
<td>Sophomore</td>
<td>Prereq: EDE 124 &amp; PSY 117 or consent of the instructor</td>
</tr>
<tr>
<td></td>
<td>This course explores typical and atypical patterns in human growth and development from conception through adolescence. Students will examine theories and research including: cognitive, linguistic, social, physical, and emotional development. Students will learn how to implement developmentally appropriate and challenging curriculum in the classroom.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>EDE 225</td>
<td>Standards-Based Planning &amp; Digital Learning</td>
<td>2</td>
<td>Sophomore</td>
<td>Prereq: EDE 124, EDE 222, EDE 230, &amp; INE 200 or consent of the instructor, Coreq: EDE 235 &amp; EFE 284</td>
</tr>
<tr>
<td></td>
<td>This course introduces state and national P-12 academic standards as the basis for lesson planning and assessment in the elementary classroom. Students will examine research-based lesson plan designs and assessment tools used to measure instructional practices. Benefits of digital, online, hybrid, &amp; onsite instruction will be explored with emphasis on how digital-age tools and environments influence learning processes and outcomes.</td>
<td></td>
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</tr>
<tr>
<td>EDE 230</td>
<td>Survey of Exceptional Children</td>
<td>2</td>
<td>Sophomore</td>
<td>Prereq: EDE 124 &amp; PSY 117 or consent of the instructor</td>
</tr>
<tr>
<td></td>
<td>This course focuses on developing an understanding of individual differences in an inclusive learning environment. Course content focuses on students with exceptional needs, including those with disabilities and giftedness, and ways educators can help all learners achieve at high levels and reach their full potential.</td>
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</tr>
</tbody>
</table>
### EDE 235 Teaching English Language Arts-Elementary

<table>
<thead>
<tr>
<th>Sophomore year</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prereq: EDE 124, EDE 222, EDE 230, &amp; INE 200 or consent of the instructor</td>
<td>Coreq: EDE 225 &amp; EFE 284</td>
</tr>
</tbody>
</table>

This course focuses on methods for planning, delivering, and assessing evidence-based English language arts lessons that foster students’ understanding of the language arts: reading, writing, speaking, listening, viewing, and visually representing. Candidates will prepare and teach elementary English language arts lesson plans based on state and national standards. Points of emphasis include the effective use of Children’s literature, expository texts, and best practices in writing instruction.

### EDE 300 Topics in Elementary Education

<table>
<thead>
<tr>
<th>1-3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A topic of current interest in elementary education will be taught. Topics will vary depending on faculty interest. Course will be offered upon request of faculty member and with the approval of the Vice President of Academic Affairs.</td>
</tr>
</tbody>
</table>

### EDU 315 Human Diversity in the Classroom

<table>
<thead>
<tr>
<th>Junior year</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diversity Exploratory</td>
<td>Prereq: Admission to Elementary Education program</td>
</tr>
</tbody>
</table>

Promotes curricular and instructional techniques and approaches for culturally diverse classrooms, including strategies for working with English Language Learners. To promote overall student well-being, candidates will learn effective strategies for cross-cultural communication involving students and families. Provides opportunities to explore and learn about ideas, people, cultures, and biases that impact how teachers conceptualize the world and includes a student-directed culturally responsive teaching project. This course is for those intending to pursue an Indiana Teaching License.

### EDE 330 Teaching Exceptional Children-Elementary

<table>
<thead>
<tr>
<th>Junior year</th>
<th>2 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prereq: EDE 344, EDE 366, EFE 384, &amp; admission to Elementary Education program</td>
<td>Coreq: EFE 385</td>
</tr>
</tbody>
</table>

The course focuses on current issues and practices in the inclusive elementary classroom setting. Topics include: Multi-Tiered Systems of Support, educational law, evaluation procedures, building collaborative relationships, and teaching strategies to differentiate academic, social and behavioral needs for a diverse group of learners.

### EDE 337 Teaching Science-Elementary

<table>
<thead>
<tr>
<th>Junior year</th>
<th>4 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prereq: EDE 344, EDE 366, EFE 384 &amp; admission to the Elementary Education program</td>
<td>Coreq: EFE 385</td>
</tr>
</tbody>
</table>

This course focuses on methods for planning, delivering, and assessing evidence-based science instruction that fosters students’ understanding of the natural sciences: physical science, life science, and earth science. Candidates will prepare and teach elementary science lesson plans based on state and national standards. Points of emphasis include hands-on experiences, inquiry, and practice.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Year</th>
<th>Prerequisites</th>
<th>Corequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 344</td>
<td>Scientifically Based Reading Instruction (K-3)</td>
<td>3</td>
<td>Junior year</td>
<td>Admission to the Elementary Education program</td>
<td>EFE 384</td>
</tr>
<tr>
<td>EDE 345</td>
<td>Scientifically Based Reading Instruction (Grades 4-6)</td>
<td>3</td>
<td>Junior year</td>
<td>Prerequisites: EDE 344, EDE 366, EFE 384, &amp; admission to the Elementary Education program</td>
<td>EFE 385</td>
</tr>
<tr>
<td>EDE 366</td>
<td>Teaching Math-Elementary</td>
<td>4</td>
<td>Junior year</td>
<td>Admission to Elementary Education program</td>
<td>EFE 384</td>
</tr>
<tr>
<td>EDU 401</td>
<td>CPR/AED/Heimlich Certification for Education Majors</td>
<td>1</td>
<td>Senior year</td>
<td>Admission to Elementary Education Program or consent of the instructor</td>
<td></td>
</tr>
</tbody>
</table>

This course focuses on methods for planning, delivering, and assessing reading instruction—grounded in scientifically based reading research (SBRR)—for early elementary classrooms (K-3). Major theoretical, conceptual, and evidence-based components of reading development will be examined, including concepts of print, phonemic awareness, phonics, fluency, vocabulary, and text comprehension. Foundations of language acquisition and literacy development, including cognitive, linguistic, cultural, social, and motivational factors that affect language acquisition and literacy development will be explored. Points of emphasis include direct, explicit, multi-sensory interventions and extensions; systematic observation and documentation; and progress monitoring practices.

This course focuses on methods for planning, delivering, and assessing reading instruction, grounded in scientifically based reading research (SBRR) for upper elementary classrooms (Grades 4-6). Candidates will examine the major components of reading development and demonstrate the ability to provide assessment, instruction, intervention, extension, and ongoing progress monitoring in reading. Points of emphasis include fluency, vocabulary, text comprehension, and effective differentiated reading instruction (RtI) to match students' evidence-based strengths and needs in reading.

This course focuses on methods for planning, delivering, and assessing evidence-based math lessons that foster elementary students' understanding of mathematics. Candidates will prepare and teach mathematics lesson plans based on state and national standards. Points of emphasis include alternative assessment techniques, problem-solving skills, use of manipulatives, and the development of student-centered learning environments that integrate with other subjects in the curriculum as well as the child’s real world.

This American Red Cross certification class is an opportunity for graduating education majors to meet the Indiana Department of Education licensing requirement IC 20-28-5-3(c) which requires applicants to hold a valid certification in each of the following procedures: 1) cardiopulmonary resuscitation that includes a test demonstration on a mannequin, 2) removing a foreign body causing an obstruction in an airway, and the Heimlich Maneuver; and 3) the use of an automated external defibrillator (AED).
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Year</th>
<th>Prerequisites</th>
<th>Corequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 424</td>
<td>Teaching Health &amp; Wellness-Elementary</td>
<td>2</td>
<td>Senior</td>
<td>Admission to the Elementary Education program and all courses required in the major except EDE 456, EDE 499, INE 300, &amp; EST 489</td>
<td>EFE 484</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Prereq: Admission to the Elementary Education program and all courses required in the major except EDE 456, EDE 499, INE 300, &amp; EST 489</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Coreq: EFE 484</td>
</tr>
</tbody>
</table>

This course focuses on methods for planning, delivering, and assessing evidence-based lesson plans that foster elementary students' understanding of health and wellness. Candidates will prepare and teach health and wellness lesson plans based on state and national standards. Points of emphasis include motivational techniques and the unique contributions of health and physical education as they relate to the total development of the elementary child.

<table>
<thead>
<tr>
<th>EDE 443</th>
<th>Interdisciplinary Unit Planning and Teaching: STEAM-Elementary</th>
<th>2</th>
<th>Senior</th>
<th>Admission to Elementary Education program and all courses required in the major except EDE 456, EDE 499, INE 300, &amp; EST 489</th>
<th>EFE 484</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Prereq: Admission to Elementary Education program and all courses required in the major except EDE 456, EDE 499, INE 300, &amp; EST 489</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Coreq: EFE 484</td>
<td>Prereq: Admission to Elementary Education program and all courses required in the major except EDE 456, EDE 499, INE 300, &amp; EST 489</td>
</tr>
</tbody>
</table>

This course focuses on methods for planning, delivering, and assessing evidence-based STEAM instruction that fosters students' understanding of science, technology, engineering, art, and mathematics. Candidates will prepare and teach STEAM lesson plans based on state and national standards. Points of emphasis include interdisciplinary unit planning, scientific inquiry, and the unifying concepts across STEAM content areas.

<table>
<thead>
<tr>
<th>EDE 444</th>
<th>Teaching Social Studies-Elementary</th>
<th>4</th>
<th>Senior</th>
<th>Admission to Elementary Education program and all courses required in the major except EDE 456, EDE 499, INE 300, &amp; EST 489</th>
<th>EFE 484</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Prereq: Admission to Elementary Education program and all courses required in the major except EDE 456, EDE 499, INE 300, &amp; EST 489</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Coreq: EFE 484</td>
<td>Prereq: Admission to Elementary Education program and all courses required in the major except EDE 456, EDE 499, INE 300, &amp; EST 489</td>
</tr>
</tbody>
</table>

This course focuses on methods for planning, delivering, and assessing evidence-based social studies lessons that foster students’ understanding of the disciplines of history, civics, economics, and geography. Candidates will prepare and teach elementary social studies lesson plans based on state and national standards. Points of emphasis include major milestones in U.S. history, world history, and the history of Indiana.

<table>
<thead>
<tr>
<th>EDE 456</th>
<th>Seminar in Student Teaching</th>
<th>1</th>
<th>Senior</th>
<th>Acceptance for Student Teaching program</th>
<th>EDE 499 &amp; EST 489</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Prereq: Acceptance for Student Teaching program</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Coreq: EDE 499 &amp; EST 489</td>
<td></td>
</tr>
</tbody>
</table>

Taken concurrently with student teaching, this course supports candidates’ transitions from the role of a college student to the role of a professional educator. Points of emphasis include the state teacher evaluation process, collaboration strategies with families and communities, job-embedded professional development, PLCs, and job-seeking strategies.
### EDE 457 Assessment and Classroom Management—Elementary

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 457</td>
<td>Assessment and Classroom Management</td>
<td>2</td>
<td>Admission to Elementary Education Program and all course required in the major <em>except</em> EDE 456, EDE 499, INE 300, &amp; EST 489. Coreq: EDE 484.</td>
</tr>
</tbody>
</table>

This course explores the fundamental concepts and strategies that support effective assessment and classroom management. Candidates will prepare evidence-based assessment plans and classroom management plans for their intended level of licensure. Points of emphasis include formative and summative assessments, the use of RTI to track and support student learning, and effective classroom management strategies.

### EDE 490 Independent Study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 490</td>
<td>Independent Study</td>
<td>1-2</td>
<td>Prereq: offered with consent of instructor.</td>
</tr>
</tbody>
</table>

Courses are designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings.

### EDE 499 Senior Competency Practicum

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 499</td>
<td>Senior Competency Practicum</td>
<td>No</td>
<td>Coreq: EDE 456 &amp; EST 489.</td>
</tr>
</tbody>
</table>

Completion of Senior Competency Practicum with a grade of “C” or higher.

### EFE 284 Field Experience in Elementary Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFE 284</td>
<td>Field Experience in Elementary Education</td>
<td>1</td>
<td>Prereq: EDE 124 or consent of the instructor. Coreq: EDE 225 &amp; EDE 235.</td>
</tr>
</tbody>
</table>

Active participation in an elementary classroom one full day each week across 12 weeks. Special emphasis is given to observation of general teaching and management principles.

### EFE 384 Field Experience in Elementary Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFE 384</td>
<td>Field Experience in Elementary Education</td>
<td>1</td>
<td>Prereq: Admission to the Elementary Education program. Coreq: EDE 344 &amp; EDE 366.</td>
</tr>
</tbody>
</table>

Active participation in an elementary classroom one full day each week across 12 weeks. Special emphasis is given to beginning instructional delivery practices (facilitating learning activities) for elementary school learners.

### EFE 385 Field Experience in Elementary Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFE 385</td>
<td>Field Experience in Elementary Education</td>
<td>1</td>
<td>Prereq: EFE 384 &amp; Admission to the Elementary Education program. Coreq: EDE 330, EDE 337 &amp; EDE 345.</td>
</tr>
</tbody>
</table>

Active participation in an elementary classroom one full day each week across 12 weeks. Special emphasis is given to more advanced proficiency in the instructional delivery of learning activities for elementary school learners.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Year</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFE 484</td>
<td>Field Experience in Elementary Education</td>
<td>1</td>
<td>Senior</td>
<td>Prereq: EFE 385 &amp; Admission to Elementary Education program Coreq: EDE 424, EDE 443, EDE 444, &amp; EDE 457</td>
</tr>
<tr>
<td>EST 489</td>
<td>Student Teaching in the Elementary Classroom</td>
<td>11</td>
<td>Senior</td>
<td>Prereq: Acceptance for Student Teaching Coreq: EDE 456 &amp; EDE 499</td>
</tr>
<tr>
<td>INE 200</td>
<td>Internship in Education</td>
<td>3</td>
<td>Sophomore</td>
<td>Prereq: EDE 124 or consent of the Coordinator of Field Experiences</td>
</tr>
<tr>
<td>INE 300</td>
<td>Internship in Education</td>
<td>3</td>
<td>Junior</td>
<td>Prereq: Admission to Elementary Education Program</td>
</tr>
<tr>
<td>INE 400</td>
<td>Internship in Education</td>
<td>3</td>
<td>Senior</td>
<td>Prereq: INE 200, INE 300, &amp; Admission to Elementary Education Program</td>
</tr>
<tr>
<td>INEC 400</td>
<td>International Internship in Education</td>
<td>3</td>
<td>Junior or senior</td>
<td>Prereq: Admission to the Elementary Education program</td>
</tr>
</tbody>
</table>

Active participation in an elementary classroom one full day each week across 12 weeks. Special emphasis is placed on the total school environment; teaching and decision-making skills in preparation for student teaching; and digital learning opportunities.

Classroom teaching and other activities under the guidance of the cooperating teacher, the college supervisor and coordinator of field experiences. The minimum 10-week experience will provide the capstone experience and will focus upon an appropriate broad, integrated, and multi-disciplinary approach to teaching.

Required for the Elementary Education major, this course fulfills one college immersive experience requirement. Full-time classroom observation and participation in a partner school’s grade K-6 classroom under the supervision of a cooperating teacher and a college supervisor. Immersive term placements are made through the Education Department Coordinator of Field Experiences.

The second of two required internships for the Elementary Education major, this course fulfills one college immersive experience requirement. Full-time classroom observation and participation in a partner school’s grade K-6 classroom under the supervision of a cooperating teacher and a college supervisor. Immersive term placements are made through the Education Department Coordinator of Field Experiences.

The third immersive internship available to Elementary Education majors. This course fulfills one college immersive experience requirement. Full-time classroom observation and participation in a partner school’s grade K-6 classroom under the supervision of a cooperating teacher and a college supervisor. Immersive term placements are made through the Education Department Coordinator of Field Experiences.

Full-time study during immersive term, active participation in a classroom setting and travel under the supervision of a college professor. Special emphasis is given to international cultural experiences. This internship counts as an international course. Expenses are separate from regular tuition.
Engineering
Cooperative Program in Engineering with Purdue University School of Engineering and Technology (IUPUI)

Cooperative Advisor: J. Boardman (jboardman@franklincollege.edu)

Franklin College maintains a cooperative “3+2” program with the Purdue University School of Engineering and Technology at Indiana University-Purdue University Indianapolis (IUPUI). Students in this program earn a B.A. degree from Franklin College in Applied Mathematics and a B.S. degree from Purdue University in one of three engineering fields, typically in the span of five years. The engineering degrees available through this program are:
- Computer Engineering (B.S.Cmp.E.)
- Electrical Engineering (B.S.E.E.)
- Mechanical Engineering (B.S.M.E.)

Students will declare a major in Applied Mathematics and follow that degree program as stated in the catalog. Students with a declared enrollment in the 3+2 engineering program will be given priority during registration in subsequent semester(s).

Students following the 3+2 program will be required to make certain selections in their liberal arts core and for major courses currently listed as electives in order to satisfy the engineering requirements at IUPUI. Those choices are as follows:

**Computer Engineering**
- CHE 121 General Chemistry I
- CMP 142 Python for Computing and Data Science II
- ECO 115 Principles of Economics*
- MAT 181 Discrete Mathematics I
- MAT 182 Discrete Mathematics II
- PHY 211 & 203 General Physics I and Lab
- PHY 212 & 204 General Physics II and Lab

**Electrical Engineering**
- CHE 121 General Chemistry I
- CMP 142 Python for Computing and Data Science II
- ECO 115 Principles of Economics*
- PHY 211 & 203 General Physics I and Lab
- PHY 212 & 204 General Physics II and Lab

**Mechanical Engineering**
- CHE 121 General Chemistry I
- CMP 142 Python for Computing and Data Science II
- ECO 115 Principles of Economics*
- PHY 211 & 203 General Physics I and Lab
- PHY 212 & 204 General Physics II and Lab
*ECO 115 Principles of Economics satisfies the Human Behavior exploratory requirement at Franklin College and the economics requirement for the IUPUI Engineering Program.

**Note:** IUPUI recommends CHE 122 General Chemistry II for each of these engineering programs, but it is not a requirement.

For students intending on pursuing Computer, Electrical, and Mechanical Engineering degrees and who are therefore majoring in Applied Mathematics:

- The courses indicated in the tables above satisfy the “9 additional credit hours” requirement for the major as well as the Laboratory Science exploratory requirement for the liberal arts core.
- CMP 130 Introduction to Computing and PDP 200 Preparing for Your Internship are both waived as requirements for the Applied Mathematics degree for students in the engineering program.
- INT 261 may be satisfied by an internship in engineering done through IUPUI if the student chooses.

Information on specific coursework in these programs is available at http://www.franklincollege.edu/academics/majors/engineering.

During the sophomore and junior years in the engineering program at Franklin College, students take one course each semester at IUPUI through the Consortium for Urban Education (CUE), also referred to as cross-registration. These courses are limited in seating and need to be requested through the Academic Records Office at Franklin College well in advance. (CUE requests are not processed at the hosting schools until their students have completed registration.) Member schools of the consortium require a student to enroll through their home school (Franklin College) and pay all tuition and fees through the student’s home school. Any other fees and books for the CUE courses are the responsibility of the student. The student will not receive a transcript from the host institution; instead the grade is sent to the Academic Records Office at Franklin College to be recorded on the Franklin College transcript and is entered as a grade; however, the student’s GPA is not impacted since the course was taken off campus. If your request for cross-registration gets denied for any reason, please see Dr. John Boardman immediately because we can usually obtain special permission to enroll our engineering students. All questions regarding CUE/cross registration should be directed to the Assistant Registrar in the Academic Records Office.
English and Creative Writing

**Department:** English
**Department Chair:** G. Phillips
**Department Members:** K. Burpo, S. Crisafulli, R. Erable, C. Moody, G. Phillips

**Major:** English, Creative Writing
**Minors:** English, Creative Writing, Professional Writing

The English and Creative Writing majors are designed to develop students who can read, write, speak, and argue intelligently and sensitively, and who know the great artistic achievements and profound insights into human experience which our literary heritage provides. Both majors call for extensive preparatory work in the foundations of writing and literature, particularly British and American. Upper-division courses offer specialized work in periods, genres, literary research and scholarship, written expression, and the history and structure of English. Students who complete these majors develop proficiency in reading, writing, and thinking critically, and have a well-rounded knowledge of English literature; thus, they acquire the skills needed to pursue a variety of graduate programs and/or a variety of careers—in public service, business, law, education, and publishing.
**English Major**

English majors must earn a C or better in LA 201 and ENG 210. They must earn a C- or better in all other ENG and prerequisite courses.

**Core Requirements**
- ENG 117 World Literature I
- ENG 118 World Literature II
- ENG 210 Intro to Literary Research
- ENG 410 Senior Seminar
- ENG 485 Communication Consulting Project
- ENG 499 Senior Competency Practicum

**One course from each of the following categories**

*Category A: Topics in Literature*
- ENG 231 Global Literature
- ENG 232 Greek Literature
- ENG 234 African American Literature
- ENG 235 Native North American Literature
- ENG 236 Gender & Sexuality in Literature
- ENG 238 American Minority Literature

*Category B: Language*
- CWR 150 Introduction to Creative Writing
- ENG 224 Introduction to Linguistics
- ENG 227 Advanced Grammar
- ENG 228 Advanced Composition

*Category C: Pre-1800 Historical & Cultural Contexts*
- ENG 307 Early Modern & Enlightenment British Literature
- ENG 308 Old & Medieval British Literature
- ENG 333 Shakespeare
- ENG 355 Early American Literature

*Category D: Post-1800 Historical & Cultural Contexts*
- ENG 312 Romantic & Victorian British Literature
- ENG 314 Modern & Contemporary British Literature
- ENG 359 Realist & Modernist American Literature
- ENG 360 Contemporary American Literature

**Additional required coursework**

English majors are required to take an additional three to four credits at the 200 level or higher. Choices include the category courses above, plus:

- ENG 300 Topics in English
- ENG 375 Dramatic Literature I
- ENG 376 Dramatic Literature II
- CWR 210 Journal Editing Leadership
- CWR 211 Journal Publishing Leadership

- CWR 270 Fiction I
- CWR 280 Poetry I
- CWR 290 Creative Nonfiction
- THE 245 Playwriting
Students may also count toward the English major one four-credit, upper-level French or Spanish literature course; this course will count as four undistributed ENG credit hours.

**Professional Development Requirements**

ENG 385 Professional Development in English

**One of the following courses**

- ENG 482 English Practicum (approved as a PDP experience for 2-4 hours)
- SNR/SNT 489 (ENG) Professional Development Experience in English

**Related field requirement**

Twelve semester hours from related fields are to be selected in consultation with the student’s departmental advisor. (Note: The agreed list of courses must be submitted to the Academic Records Office, in writing, by the academic advisor). English majors may use the Creative Writing major or minor as a related field. All related field requirements must be completed with a grade of C- or better.

**Creative Writing Major**

Creative Writing majors must earn a C or better in CWR 150, LA 201, and ENG 210. They must earn a C- or better in all other CWR, ENG, and prerequisite courses.

**Core Requirements**

- CWR 150 Introduction to Creative Writing
- CWR 270 Fiction I
- CWR 280 Poetry I
- CWR 499 Senior Competency Practicum
- ENG 118 World Literature II
- ENG 210 Introduction to Literary Research
- ENG 360 Contemporary American Literature

**One of the following courses**

- CWR 370 Fiction II
- CWR 380 Poetry II

**One of the following courses**

- ENG 231 Global Literature
- ENG 232 Greek Literature
- ENG 234 African American Literature
- ENG 235 Native North American Literature
- ENG 236 Gender & Sexuality in Literature
- ENG 238 American Minority Literature

**Additional required coursework**

Creative Writing majors are required to take two additional CWR and/or ENG courses at the 200-level or higher. Choices include those listed above, plus:

- CWR 210 Journal Editing Leadership
- CWR 211 Journal Publishing Leadership
- CWR 290 Creative Nonfiction
- CWR 300 Topics in Creative Writing
- ENG 312 Romantic & Victorian British Literature
- ENG 314 Modern & Contemporary British Literature
- ENG 333 Shakespeare
- ENG 355 Early American Literature
ENG 224 Introduction to Linguistics  
ENG 227 Advanced Grammar  
ENG 228 Advanced Composition  
ENG 307 Early Modern & Enlightenment British Lit  
ENG 308 Old & Medieval British Literature  
ENG 359 Realist & Modernist American Literature  
ENG 360 Contemporary American Literature  
ENG 375 Dramatic Literature I  
ENG 376 Dramatic Literature II  
THE 245 Playwriting

**Professional Development Requirements**  
CWR 385 Professional Development in Creative Writing

**One of the following courses**  
CWR 482 Creative Writing Practicum (approved as a PDP experience for 2-4 credits)  
SNR/SNT 489 (CWR) Professional Development Experience in Creative Writing

**Related field requirement**  
Twelve semester hours from related fields are to be selected in consultation with the student’s departmental advisor. (Note: The agreed list of courses must be submitted to the Academic Records Office, in writing, by the academic advisor). Creative Writing majors may use the English major or minor as a related field. All related field requirements must be completed with a grade of C- or better.

**English Minor** (20 hours)  
English minors must earn a C or better in LA 201 and ENG 210. They must earn a C- or better in all other ENG and prerequisite courses.

**Core Requirements**  
ENG 117 World Literature I  
ENG 118 World Literature II  
ENG 210 Introduction to Literary Research

**Additional required coursework**  
An additional 8 hours of ENG course work at the 200-level or higher.

**Creative Writing Minor**  
Creative Writing minors must earn a C or better in CWR 150. They must earn a C- or better in all other CWR, ENG and prerequisite courses.

**Core Requirements**  
CWR 150 Introduction to Creative Writing

**Two of the following courses**  
CWR 270 Fiction  
CWR 280 Poetry I  
CWR 290 Creative Nonfiction  
CWR 370 Fiction II  
CWR 380 Poetry II  
THE 245 Playwriting

**Additional Required Coursework**  
Creative writing minors are required to take an additional 7-8 credits of ENG course work at the 200 level or higher.
**Professional Writing Minor** (15-17 hours)

**Core Requirements**
- ENG 227 Advanced Grammar
- ENG 485 Communications Consulting Project

**One of the following courses**
- CWR 150 Introduction to Creative Writing
- ENG 228 Advanced Composition

**Two of the following courses**
- CWR 110 Journal Editing
- CWR 111 Journal Publishing
- MMJ 115 Reporting, Interviewing, and Newswriting
- MMJ 135 Editing for Print and Online
### English Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
<th>Additional Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 115</td>
<td>Writing Center Theory and Practice</td>
<td>1</td>
<td>Fall</td>
<td>Prereq: Sophomore standing and approval of Write Place Director.</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Preparation for students to work as associates in the Write Place. Includes readings on the fundamentals of tutoring writing, short writing assignments, and meetings that center on discussion of writing center theory and practice.</td>
</tr>
<tr>
<td>ENG 117</td>
<td>World Literature I</td>
<td>4</td>
<td>Fall</td>
<td>International exploratory</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Reading and analysis of selected major literary works from ancient times through the Renaissance. <em>Concurrent or prior enrollment in LA 101 recommended but not required.</em></td>
</tr>
<tr>
<td>ENG 118</td>
<td>World Literature II</td>
<td>4</td>
<td>Spring</td>
<td>International exploratory</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Reading and analysis of selected major literary works from around the world from the 17th century to the present. <em>Concurrent or prior enrollment in LA 101 recommended but not required.</em></td>
</tr>
<tr>
<td>ENG 210</td>
<td>Introduction to Literary Research</td>
<td>4</td>
<td>Spring</td>
<td>Prereq: a grade of C or above in LA 201</td>
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<tr>
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<td>An introduction to the fundamentals of literary research, including locating, annotating, and explicating sources; creating a research proposal and annotated bibliography; and writing a research paper. Emphasis will also be on understanding and applying literary terminology. <em>(English and Creative Writing majors and English minors must complete the course with a C or better. Note that the minimum grade required for LA 201 and ENG 210 is different from other courses in the major.)</em> Preferably sophomore year.</td>
</tr>
<tr>
<td>ENG 224</td>
<td>Introduction to Linguistics</td>
<td>4</td>
<td>Spring</td>
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<td>A theoretical and practical examination of the ways in which human beings use and understand language in social contexts.</td>
</tr>
<tr>
<td>ENG 227</td>
<td>Advanced Grammar</td>
<td>4</td>
<td>Spring</td>
<td>Prereq: sophomore standing</td>
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<tr>
<td></td>
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<td></td>
<td>Intensive examination of the English language, including its history and structure. Particular emphasis will be given to the organization of grammar, syntactic systems, and language change.</td>
</tr>
<tr>
<td>ENG 228</td>
<td>Advanced Composition</td>
<td>4</td>
<td>Fall</td>
<td>Prereq: LA 201</td>
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<tr>
<td></td>
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<td></td>
<td>An advanced examination of the theory and practice of current written English. Focus will be on the development of critical writing abilities through the various means of argumentation and through the development of an individual style and voice in the standard essay forms.</td>
</tr>
<tr>
<td>ENG 231</td>
<td>Global Literature</td>
<td>4</td>
<td>Fall</td>
<td>Prereq: LA 101</td>
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<td></td>
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<td>Reading and analysis of selected literary works from a particular region of the globe.</td>
</tr>
</tbody>
</table>

*Note: Semester abbreviations follow the typical academic calendar, where Fall is the semester following summer break, and Spring is the semester following winter break.*
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Schedule</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 232</td>
<td>Greek Literature</td>
<td>4</td>
<td>Spring, odd academic years</td>
<td>International exploratory Prereq: LA 101</td>
</tr>
<tr>
<td></td>
<td>A social and cultural examination of some of</td>
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<tr>
<td></td>
<td>the greatest works of the ancient Greek world</td>
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<tr>
<td></td>
<td>from the 8th century BCE to the 4th century BCE</td>
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<tr>
<td>ENGL 234</td>
<td>African American Literature</td>
<td>4</td>
<td>Spring, even academic years</td>
<td>Diversity exploratory Prereq: LA 101</td>
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<tr>
<td></td>
<td>Reading and analysis of selected African</td>
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<td></td>
<td>American literary works.</td>
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<tr>
<td>ENGL 235</td>
<td>Native North American Literature</td>
<td>4</td>
<td>Spring, even academic years</td>
<td>Diversity exploratory Prereq: LA 101</td>
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<tr>
<td></td>
<td>A study of multicultural novels, plays, short</td>
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<td></td>
<td>stories and poems by Native American and First</td>
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<td>Nations authors, exploring the North American</td>
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<td>experiences and literatures of Native peoples.</td>
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<td></td>
<td>Same as CAN 235.</td>
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<tr>
<td>ENGL 236</td>
<td>Gender and Sexuality in Literature</td>
<td>4</td>
<td>Fall, even academic years</td>
<td>Diversity exploratory Prereq: LA 101</td>
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<tr>
<td></td>
<td>Reading and analysis of selected works through</td>
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<td>the lens of gender and sexuality.</td>
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<td>Same as WST 236.</td>
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<tr>
<td>ENGL 238</td>
<td>American Minority Literature</td>
<td>4</td>
<td>Fall, even academic years</td>
<td>Diversity exploratory Prereq: LA 101</td>
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<tr>
<td></td>
<td>An examination of minority voices in American</td>
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<td></td>
<td>Literature.</td>
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<tr>
<td>ENGL 300</td>
<td>Topics in English</td>
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<td>A topic of current interest in English will be</td>
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<td>taught. Topics will vary depending on faculty</td>
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<td>interest. Course will be offered upon the</td>
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<td>request of a faculty member and with approval</td>
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<td>of the Vice President of Academic Affairs.</td>
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<tr>
<td>ENGL 307</td>
<td>Early Modern and Enlightenment Literature</td>
<td>4</td>
<td>Fall, even academic years</td>
<td>Prereq: ENG 117 &amp; grade of C or higher in ENG 210</td>
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<tr>
<td></td>
<td>A broad overview of British Renaissance and</td>
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<td>Enlightenment literatures from the sixteenth</td>
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<td>century through the eighteenth century.</td>
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<tr>
<td>ENGL 308</td>
<td>Old and Medieval Literature</td>
<td>4</td>
<td>Spring, odd academic years</td>
<td>Prereq: ENG 117 &amp; grade of C or higher in ENG 210</td>
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<tr>
<td></td>
<td>A broad overview of English literature from its</td>
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<td></td>
<td>Anglo-Saxon beginnings through the 15th century.</td>
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<tr>
<td>ENGL 312</td>
<td>Romantic and Victorian British Literature</td>
<td>4</td>
<td>Spring, odd academic years</td>
<td>Prereq: ENG 118 &amp; a grade of C or higher in ENG 210</td>
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<td></td>
<td>A study of selected works from ca. 1789-1914,</td>
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<td></td>
<td>including the Romantic, Victorian, and early</td>
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<td></td>
<td>modernist periods of British literature.</td>
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<td></td>
<td>Attention will be paid to the revolutions in</td>
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<td>poetry, the development of the novel into a</td>
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<td>significant art form, and the</td>
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<td></td>
<td>interrelationship of social and political</td>
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<td></td>
<td>concerns and aesthetic form.</td>
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</tbody>
</table>
ENG 314 Modern & Contemporary British Literature 4 credit hours
Fall, odd academic years Prereq: ENG 118 & a grade of C or higher in ENG 210
A close examination of some of the most significant and innovative literature from Britain and the Commonwealth since 1914. Attention will be paid to the inseparability of idea and technique and to the ways that the authors engage the readers in a collaborative creation of the text.

ENG 333 Shakespeare 4 credit hours
Spring, even academic years Prereq: ENG 117 or THE 125
A study of some of Shakespeare’s major comedies, tragedies, and histories. Attention will be paid to Shakespeare’s poetry, dramaturgy, and vision of the human experience.

ENG 355 Early American Literature 4 credit hours
Fall, odd academic years Prereq: ENG 117 or ENG 118 & a grade of C or higher in ENG 210
An examination of American literature from its beginnings and through the American Renaissance, concentrating on the Transcendentalist and Romantic movements.

ENG 359 American Realist and Modernist Literature 4 credit hours
Spring, even academic years Prereq: ENG 118 & a grade of C or higher in ENG 210
A study of the literary movements from the Civil War to 1950, paying particular attention to experimentation with language and form to create innovative modes of expression in poetry, the novel, and the short story.

ENG 360 Contemporary American Literature 4 credit hours
Fall, even academic years Prereq: ENG 118 & a grade of C or higher in ENG 210
An examination of important works representing artistic and thematic trends in post-World War II American literature.

ENG 375 Dramatic Literature I 4 credit hours
Fall, odd academic years Prereq: ENG 117, THE 110, or THE 125 or consent of the instructor
Reading and analysis of selected significant plays from ancient times through the Renaissance. Same as THE 375.

ENG 376 Dramatic Literature II 4 credit hours
Spring, odd academic years Prereq: ENG 118, THE 110, or THE 125 or consent of the instructor
Reading and analysis of selected significant plays from around the world from the 17th century to the present. Same as THE 376.

ENG 385 Professional Development in English 1 credit hour
Fall, junior year Co-req: SNT 489, ENG 482, or CWR 482
A course designed to help students succeed in their internships. Readings and discussions center on professionalism, negotiation, communication skills, and fostering collegiality, as well as the relationship between the internship and future career plans. Same as CWR 385. Junior year. Credit does not count toward the major.
ENG 410 Senior Seminar 4 credit hours
Fall, senior year Prereq: At least two 300-level courses
Senior capstone course focusing on undergraduate research. Under faculty supervision, students will significantly revise a major writing project from a 300-level course into an expanded and more fully researched undergraduate thesis. Students will also write reflections and will publicly present their project or a narrative of their research process.

ENG 482 English Practicum 2-4 credit hours
Prereq: instructor permission
A supervised, pre-approved experience that allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic year. Students with junior or senior standing who wish ENG 482 to count as the required Professional Development Experience in English (SNR/SNT 489 [ENG]) must gain departmental approval of their proposal.

ENG 485 Communications Consulting Project 3 credit hours
Fall, senior year Civic Learning exploratory Prereq: LA 201 and senior standing or with instructor permission
An examination of the ways in which students can apply their skills in the workplace and serve their communities. Students will work in teams on a communications consulting project for a local nonprofit or similar organization. Special emphasis given to professional development skills, particularly communication, project management, and consulting. Same as NPL 485.

ENG 490 Independent Study 1-2 credit hours
Prereq: instructor permission
Courses are designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings.

ENG 499 Senior Competency Practicum No credit
Fall, senior year Prereq: ENG 410 (or as coreq with instructor permission)
The composing of a well-articulated and researched literary analysis and the public presentation of that work.

SNR/SNT 489 Professional Development Experience in English 2-4 credit hours
Fall, junior year Prereq: junior or senior standing Coreq: ENG 385
An internship experience related to the field of English that calls upon skills in critical thinking, writing, reading, and analysis. Pass-Fail.

Creative Writing Course Descriptions

CWR 110 Journal Editing 2 credit hours
Fall
An introduction to the process of editing a literary magazine, including the selection process, advertising, and editing. First part of a two-semester sequence. Concurrent or prior enrollment in LA 101 recommended but not required.
CWR 111 Journal Publishing  
Spring  
2 credit hours  
An introduction to the process of publishing a literary magazine, including magazine layout, communication with writers and various professional partners, organizing a reading, and producing a final print product. Second part of a two-semester sequence. *Concurrent or prior enrollment in LA 101 recommended but not required.*

CWR 150 Introduction to Creative Writing  
Fall and spring  
Creative Arts exploratory  
4 credit hours  
An introduction to the techniques of writing well-crafted creative nonfiction, fiction, and poetry with attention to close reading, literary citizenship, and peer critique. *Concurrent or prior enrollment in LA 101 recommended but not required.*

CWR 210 Journal Editing Leadership  
Fall  
Prereq: Consent of the instructor  
2 credit hours  
The development of leadership skills in editing a literary magazine, including organizing the selection process, advertising, and editing. First part of a two-semester sequence.

CWR 211 Journal Publishing Leadership  
Spring  
Prereq: Consent of the instructor  
2 credit hours  
The development of leadership skills in publishing a literary magazine, including magazine layout, communication with writers and various professional partners, organizing a reading, and producing a final print product. Second part of a two-semester sequence.

CWR 270 Fiction I  
Fall, odd or spring, even  
Prereq: CWR 150 or consent of instructor  
4 credit hours  
A creative writing workshop in fiction. There will be extensive reading and writing in the genre, with an emphasis on craft, form, and peer critique.

CWR 280 Poetry I  
Fall, even or spring, odd  
Prereq: CWR 150 or consent of instructor  
4 credit hours  
A creative writing workshop in poetry. There will be extensive reading and writing in the genre, with an emphasis on craft, form, and peer critique. $15 course fee.

CWR 290 Creative Nonfiction  
Fall, even academic years  
Prereq: CWR 150 or consent of the instructor  
4 credit hours  
A creative writing workshop in creative nonfiction. There will be extensive reading and writing in the genre, with an emphasis on craft, form, and peer critique.

CWR 300 Topics in Creative Writing  
4 credit hours  
A topic of current interest in Creative Writing will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
</table>
| CWR 370     | Fiction II                                      | 4       | Spring, even of junior or senior years
Prereq: CWR 270 & a grade of C or higher in ENG 210|

A continuation of CWR 270, with added emphasis on new techniques for crafting fiction, as well as more experimentation with prose form and style. A larger body of creative work than that produced in CWR 270 will be expected.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
</table>
| CWR 380     | Poetry II                                        | 4       | Spring, odd of junior or senior years
Prereq: CWR 280 & a grade of C or higher in ENG 210|

A continuation of CWR 280, with added emphasis on new techniques for crafting poetry, as well as more experimentation with poetic form and style. A larger body of creative work than that produced in CWR 280 will be expected. $15 course fee.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
</table>
| CWR 385     | Professional Development in Creative Writing    | 1       | Fall, junior year
Co-req: SNT 489, ENG 482, or CWR 482|

A course designed to help students succeed in their internships. Readings and discussions center on professionalism, negotiation, communication skills, and fostering collegiality, as well as the relationship between the internship and future career plans. Same as ENG 385. Junior year. Credit does not count toward the major.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
</table>
| CWR 482     | Creative Writing Practicum                      | 2-4     | Prereq: instructor permission
A supervised, pre-approved experience that allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic year. Students with junior or senior standing who wish CWR 482 to count as the required Professional Development Experience in Creative Writing (SNR/SNT 489 [CWR]) must gain departmental approval of their proposal.|

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
</table>
| CWR 490     | Independent Study                               | 1-2     | Prereq: instructor permission
Courses are designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings.|

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
</table>
| CWR 499     | Senior Competency Practicum                     | No      | Spring
Students in creative writing produce a well-developed portfolio of single or mixed-genre work, which counts for three-fourths of their grade. The public presentation of that writing counts for one-fourth of their grade. The grade students earn on the comprehensive exam will appear on their transcript.|

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
</table>
| SNR/SNT 489| Professional Development Experience in Creative Writing | 2-4     | Prereq: junior or senior standing
Coreq: CWR 385|

An internship experience related to the field of creative writing that calls upon skills in critical thinking, writing, reading, and analysis. Pass-Fail.
Exercise Science

Department Chair: K. Noerr
Department Members: M. Britner, K. Eiler, A. Heavrin, K. Noerr

Major: Exercise Science
Minors: Fitness; Coaching

Exercise science is the study of physiological and functional adaptations to movement. The exercise science major at Franklin College provides unique hands-on opportunities to be involved in clinical and community programs which provide exercise-related services to a variety of populations. Through the curriculum, students will develop the knowledge to describe the relationship among physical activity, functional capacity, health and disease across the life span. It will also prepare students for positions in exercise testing and prescription or in clinical settings, such as health clubs, corporate fitness facilities or cardiac rehabilitation centers. An exercise science degree will provide a solid foundation for entry into graduate school in related disciplines such as physical therapy and rehabilitation, biomechanics, nutrition, exercise physiology, sports medicine, chiropractics, or other healthcare fields.

Admission to Exercise Science Program
The application process for admittance to the Exercise Science will begin in April of each year. After final grades are received in the spring, all application materials will be reviewed by the Exercise Science review committee. A decision is reached on each candidate’s acceptance/declination into the Exercise Science Program by June 1st. Candidates will be notified of their acceptance/declination by email. Candidates will be asked to send e-mail notification confirming acceptance into the Exercise Science Program. The maximum number of students accepted into the program each graduation year will not exceed 25.

Admissions Process for 1st Year Students

1. Receive a grade of “C” or higher in EXE 234 and EXE 244
   a. Each candidate must have taken or be currently taking EXE 234 Introduction to Exercise Science and EXE 244 Introduction to Strength and Conditioning Methods. A grade of ‘C’ or higher in each course is required. If taking either of the courses during the spring semester, admission into the Exercise Science Program is contingent on a grade of ‘C’ or higher at the end of the course.

2. Obtain an overall minimum GPA of 2.5 (A = 4.00)
   a. A minimum cumulative GPA of 2.5 (A = 4.00) must be achieved and maintained upon admittance to the program. Admission into the Exercise Science Program is contingent on an overall GPA of 2.5 (A = 4.00) at the completion of the spring semester. Students must receive a 2.0 GPA or above by the end of immersive term to be offered an interview.

3. Complete at least one job observation within the health field for a minimum of two hours
   a. Each candidate is required to complete one job observation within the health field. The job observation should be a minimum of two hours in duration. Candidates should observe the skills needed to be a dedicated professional. Documentation forms to confirm observations may be obtained from the Exercise Science lab and must submitted as part of the application materials. Students will be expected to answer questions regarding the job observation during the interview. The observation should be completed no earlier than September 1 and must be completed prior to submitting the application.
4. Submit an application, resume and personal statement
   a. As part of the process for acceptance into the program, each candidate must submit an application, up-to-date resume, and a personal statement. Professionalism and written communication skills in these materials will be part of the assessment by the Exercise Science Review Committee.

5. Complete an interview and demonstrate understanding of the cognitive (knowledge), psychomotor (skills) and affective (abilities) competencies needed to become a strong professional in the health field
   a. Upon receipt and review of all proper application materials (application, resume, personal statement, and job observation documentation form), candidates will be asked to sit for an interview with the Exercise Science Program Review Committee. As part of the interview, candidates will be asked to demonstrate awareness and understanding of cognitive (knowledge), psychomotor (skills) and affective (abilities) competencies needed within the field of Exercise Science as identified by the job task analysis domains produced by the American College of Sports Medicine.

6. Demonstrate ability to perform clinical skills specifically associated to the health-related components of fitness
   a. Candidates should be able to demonstrate clinical health assessments on a subject to display interpersonal skills and confidence to work with clients or patients within the profession. These assessments will occur during the interview portion of the application process. Candidates will be asked to perform skill(s) learned in the prerequisite courses, EXE 234 and EXE 244.

Admissions Process for 2nd Year and Transfer Students

1. Meet the minimum admission standards for 1st year students
   a. 2nd year or transfer student candidates will need to meet the minimum standards by the time of application in spring.

2. Students must have completed ANAT 210 Applied Human Anatomy and ANAT 220 Applied Human Physiology with a “C-” or above by the end of sophomore year to graduate within the intended four year plan of study. ANAT 210 and ANAT 220 are prerequisite courses for junior-level exercise science courses. Sophomore level students and above who have not successfully completed ANAT 210 and ANAT 220 may apply but graduation may be extended by a minimum of 1 semester.

Please refer to the Transfer Student section of this catalog for the College’s requirements.

3+2 Program in Exercise Science and Athletic Training
Franklin College offers an accelerated Master of Science in Athletic Training (MSAT) track in the form of a combined Bachelor of Arts in Exercise Science and Master of Science in Athletic Training, with the potential to complete both degrees in five years. This cooperative program consists of common core and specific courses required for each particular program, in addition to specific pre-requisites for application to the MSAT program. Students may apply to the exercise science and MSAT programs simultaneously in the spring of their freshman or sophomore year for early admittance. Students admitted to the exercise science program may also apply to the MSAT program in the fall of their junior or senior year through the non-early admit route. Students accepted to the MSAT in their fourth year are considered graduate students and take primarily MSAT graduate courses, while also finishing any required undergraduate courses. After completing three years of undergraduate courses and one year in the MSAT program, students graduate with a Bachelor of Arts degree in Exercise Science from Franklin
College. After completing the second year in the MSAT program, students graduate with their Master’s in Athletic Training.

Students interested in this option should apply to the MSAT program by December 31st of their junior year to meet the early admission deadline for the MSAT program. Please refer to the Master of Science in Athletic Training section of this catalog for more details.

**Continuance in Exercise Science Program**

Students in the Exercise Science Program are expected to maintain the following minimum program standards:

- cumulative minimum GPA of 2.5 (A = 4.00) at the end of each academic semester/term
- no grade below a “C” in Exercise Science core required courses
- no grade below a “C-“ in related field required courses
- a grade of “S” in all field practicums, experiences and internships

Final grades will be reviewed for each student in the Exercise Science Program at the end of every semester.
**Probation within Exercise Science Program**

If a student does not meet the program standards, the student will be placed on probation.

1. If probation is due to not meeting the GPA minimum program standard, the student will have one semester to improve GPA to the minimum program standard. Upon completion of the subsequent semester, students must submit an application for reinstatement to the program. If the GPA does not improve by the end of the subsequent semester, the student will be dismissed from the Exercise Science Program. The student will not be able to participate in a field practicum, experience or internship until probationary status has been removed.

2. If probation is due to receiving a grade lower than “C” in an Exercise Science core required course or a grade lower than a “C-” in a related field required course, the student will have one opportunity to retake the course. The student will remain on probation until completion of the course with a satisfactory grade meeting minimum program standards. Departmental consent is required if the student is retaking the course from an institution other than Franklin College. The student will not be able to participate in a field practicum, experience or internship until probationary status has been removed. If a student is placed on probation for a grade lower than a “C” in one of the core sequenced courses (EXE 372, EXE 372L, EXE 375, EXE 425), the ability to progress through the curriculum within 4 years will be impacted. A student who is required to retake a core sequence class will delay graduation by a minimum of 1 semester. If the student does not improve the grade after the 2nd attempt, the student will be removed from the Exercise Science Program.

3. If probation is due to receiving a ‘fail’ in a field practicum, experience or internship, the student will be placed on probation. The student will have one opportunity to retake the field practicum, experience or internship and receive a satisfactory grade. If the student does not receive the satisfactory grade within one year, the student will be removed from the program.

4. Students who are placed on probation a second time, for any reason, will be automatically dismissed from the Exercise Science Program.

5. Students who receive a “C-” or below in the related-field courses of ANAT 210 or ANAT 220, or a “C” or below in EXE 372, EXE 375, or EXE 401 and placed on probation may not continue through the sequenced courses. If a student receives a “C-” or below in any other non-sequenced EXE courses, the student may continue to take EXE classes for one year. If the EXE grades do not improve to a “C-” or above in ANAT 210 or ANAT 220 or “C” or above in the sequenced courses within one (1) year, the student will be removed from the Exercise Science Program.

**Transportation to Engaged Learning Sites**

The Exercise Science Program will include service learning, experiential learning and internships. Many engaged learning opportunities will be off-campus for more varied experiences. Students in the Exercise Science Program are expected to have access to transportation to engaged learning sites and partnerships.
## Exercise Science Program Expenses

The students within the Exercise Science program will incur additional expenses outside of the typical college costs. Please see below for expected costs within the Exercise Science Program:

<table>
<thead>
<tr>
<th>Type of Expense</th>
<th>Expected Time of Expense</th>
<th>Approximate Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB test and flu shot*</td>
<td>If required by specific engaged learning sites, typically hospital settings</td>
<td>$5 - $70</td>
</tr>
<tr>
<td>Professional attire specifically FC Exercise Science polo</td>
<td>During entire program</td>
<td>Varies</td>
</tr>
<tr>
<td>Background check*</td>
<td>If required by specific engaged learning sites, typically school systems</td>
<td>$7 - 25</td>
</tr>
<tr>
<td>Transportation to off-campus engaged learning sites</td>
<td>During entire program</td>
<td>Varies</td>
</tr>
<tr>
<td>First Aid and CPR recertification</td>
<td>Bi-annually for CPR and First Aid</td>
<td>$35-40 for each certification</td>
</tr>
<tr>
<td>Exercise Science basic clinical equipment: stethoscope, sphygmomanometer, pedometer, tape measure, heart rate monitor, and skinfold caliper</td>
<td>Transfer students who transfer in credit from another institution for EXE 234 will be expected to have the equipment used in EXE 234. Students in the Exercise Science Program are expected to keep the equipment from EXE 234 throughout the duration of the program in functioning condition.</td>
<td>$110-175</td>
</tr>
<tr>
<td>NSCA CSCS or ACSM EP-C certification examination*</td>
<td>Spring of graduation year</td>
<td>NSCA $260-445 ACSM $219-279</td>
</tr>
</tbody>
</table>

*Some expenses may be optional based upon the career goals of the student.*
**Exercise Science Major**

All core requirements for the major must be completed with a grade of C or better. All related field requirements for the major must be completed with a grade of C- or better.

**Core Requirements**

- EXE 119 Concepts of Wellness
- EXE 208 Basic Principles of Nutrition
- EXE 222 First Aid and CPR/AED for the Professional Rescuer
- EXE 234 Introduction to Exercise Science
- EXE 244 Introduction to Strength and Condition Methods
- EXE 251 Muscles and Movement
- EXE 341 Organization and Administration of Health Programs
- EXE 372 Exercise Physiology
- EXE 372L Exercise Physiology Lab
- EXE 375 Exercise Testing and Prescription
- EXE 382 Motor Learning
- EXE 385 Sport and Exercise Psychology
- EXE 387 Biomechanics
- EXE 387L Biomechanics Lab
- EXE 401 Research Methods in Exercise Science I
- EXE 402 Research Methods in Exercise Science II
- EXE 425 Exercise Prescription for Special Populations
- EXE 499 Senior Competency Practicum and Professional Development Course

**One of the following courses**

- BIO 310 Immunology
- EXE 321 Advanced Strength and Conditioning Methods
- EXE 322 Pediatric Exercise Physiology
- EXE 323 Diagnostic and Laboratory Testing
- KIN 310 Diversity and Inclusion in Sport
- PHY 355 Ultrasonography
- PHY 357 Radiation and Health

**Professional Development Requirements**

- EXE 489 Professional Development Experience
- EXE 498 Professional Development Portfolio
- PDP 200 Preparing for Your Internship

**Related Field Requirements**

- ANAT 210 Applied Human Anatomy
- ANAT 210L Applied Human Anatomy Lab
- ANAT 220 Applied Human Physiology
- ANAT 220L Applied Human Physiology Lab
- KIN 315 Health/Wellness Issues & Trends in Society
- MAT 224 Basic Applied Statistics
- PSY 117 General Psychology
**MSAT Substitutions**
- MSAT 543 fulfills EXE 401 requirement
- MSAT 544 fulfills EXE 402 requirement
- MSAT 553, 551, & 550 fulfills EXE 489 requirement

**Fitness Minor**

**Core Requirements**
- EXE 119 Concepts of Wellness
- EXE 208 Basic Principles of Nutrition
- EXE 222 First Aid and CPR/AED for the Professional Rescuer
- EXE 244 Introduction to Strength and Conditioning Methods
- EXE 372 Exercise Physiology
- EXE 372L Exercise Physiology Lab

**One of the following courses**
- EXE 480 Fitness Internship
- EXE 483 Fitness Practicum
- KIN 480 Fitness Internship
- KIN 483 Fitness Practicum

**Related Course Requirements**
- ANAT 210 Applied Human Anatomy
- ANAT 210L Applied Human Anatomy Lab
- ANAT 220 Applied Human Physiology
- ANAT 220L Applied Human Physiology Lab

**Coaching Minor** (not a licensure area)

**Core Requirements**
- *Students must earn at least a ‘C’*
  - EXE 119 Concepts of Wellness
  - EXE 222 First Aid and CPR/AED for the Professional Rescuer
  - EXE 244 Introduction to Strength and Conditioning Methods
  - EXE 385 Sport and Exercise Psychology
  - PED 234 Introduction to Teaching and Coaching Physical Activities
  - PED 480 Coaching Practicum

**Four hours from the following courses**
- *Students must earn at least a ‘C’*
  - EXE 208 Basic Principles of Nutrition
  - LEA 100 Introduction to Personal Leadership Skills
  - PED 110 Lifeguard Training
  - PED 112 Water Safety Instructor
  - PED 115 Officiating in Volleyball
  - PED 116 Officiating in Basketball
  - PED 333 Coaching Baseball and Softball
  - PED 334 Coaching Basketball
PED 335 Coaching Football
PED 336 Coaching Volleyball
PED 337 Coaching Track and Field
PED 338 Coaching Soccer
PED 339 Coaching Swimming
PED 490 Independent Study (other coaching classes by student interest)
## Exercise Science Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXE 119</td>
<td>Concepts of Wellness</td>
<td>3</td>
<td>Fall and spring</td>
</tr>
<tr>
<td></td>
<td>This course focuses on the dimensions of personal well-being including physical fitness, nutritional awareness, stress management, the effect of drugs and health related environmental issues. Personal responsibility for well-being is stressed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXE 208</td>
<td>Basic Principles of Nutrition</td>
<td>2</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td>This course is an introduction to nutrition, including the nutritive value of foods, factors influencing body food requirements, their importance in promoting health and preventing disease. The course will also address body processes and their relation to total nutrition. Nutritional requirements throughout the human life cycle and the application of nutrition requirements will be discussed. The course will also examine current recommendations for Americans and topics of current interest.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXE 222</td>
<td>First Aid and CPR/AED for the Professional Rescuer</td>
<td>2</td>
<td>Fall and spring</td>
</tr>
<tr>
<td></td>
<td>The course is designed with the purpose of handling all types of emergency first aid and CPR situations encountered in everyday living. American Red Cross certification in community first aid, CPR for the professional rescuer, and AED is available upon successful completion of the course. <em>Course Fee: $40.</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXE 234</td>
<td>Introduction to Exercise Science</td>
<td>2</td>
<td>Fall and spring</td>
</tr>
<tr>
<td></td>
<td>This course is designed to expose the student to important aspects of the discipline, including areas of study, clinical skills, technology, certifications, professional associations, and career opportunities. The history of, as well as current and future trends in exercise science will also be explored.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXE 244</td>
<td>Introduction to Strength and Conditioning Methods</td>
<td>3</td>
<td>Fall and spring</td>
</tr>
<tr>
<td></td>
<td>This course focuses on the principles of physical conditioning, with emphasis on teaching and assessing correct technique in all areas of physical fitness. Topics discussed include assessment of muscular strength and endurance, cardiorespiratory endurance, flexibility, and skill-related components of health and how these concepts affect athletic performance.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXE 251</td>
<td>Muscles and Movement</td>
<td>1</td>
<td>Fall</td>
</tr>
<tr>
<td></td>
<td>This course will prepare students to identify muscles commonly used in training and therapy and the function of the specific muscles. Emphasis will be on progression and modification of movements using machines, free weights, body weight, and other forms of exercise equipment along with proper stretching techniques.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### EXE 321 Advanced Strength and Conditioning Methods

<table>
<thead>
<tr>
<th>Spring, every third year starting spring 2018</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prereq or coreq: EXE 251 and ANAT 220</td>
<td></td>
</tr>
</tbody>
</table>

This course focuses on advanced techniques of strength and conditioning as it relates to enhancing human performance. Topics presented will include program design for enhanced resistance and conditioning techniques, along with advanced exercise performance assessment techniques. At the conclusion of the course students will have an understanding of how to assess current physiologic markers of high level performances, and how to design exercise programs for that target population. This course will also prepare students to successfully acquire the Certified Strength and Conditioning Specialist certification through the National Strength and Conditioning Association.

### EXE 322 Pediatric Exercise Physiology

<table>
<thead>
<tr>
<th>Spring, every third year starting spring 2019</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prereq or coreq: EXE 251 and ANAT 220</td>
<td></td>
</tr>
</tbody>
</table>

This course will examine the development of the pediatric population from a physical perspective. Emphasis will be on motor development, system development, and performance development. Physiological responses to exercise will be investigated as well as current issues specific to the population including thermoregulation, genetic regulation, and early specialization.

### EXE 323 Diagnostic and Laboratory Testing

<table>
<thead>
<tr>
<th>Spring, every third year starting spring 2020</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prereq or coreq: EXE 251 and ANAT 220</td>
<td></td>
</tr>
</tbody>
</table>

This course will discuss the knowledge and skills needed for basic diagnostic testing measures used by exercise physiologists. Students will focus on the skills needed for medical communication and interpretation. Topics presented will include blood studies, electrocardiography, ultrasound, x-rays, and nuclear scanning. The rationale and clinical implications of the tests will be investigated.

### EXE 341 Organization and Administration of Health Programs

<table>
<thead>
<tr>
<th>Fall</th>
<th>2 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prereq or coreq: EXE 251</td>
<td></td>
</tr>
</tbody>
</table>

This course will provide the necessary knowledge and skill of organization and administration in various exercise science settings and fields. Additionally, students will gain the knowledge and skills in professional development and responsibility necessary to function as a professional in exercise science related fields.

### EXE 372 Exercise Physiology

<table>
<thead>
<tr>
<th>Fall</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prereq: BIO 215 or ANAT 210/210L and ANAT 220/220L and admittance into the Exercise Science program or consent of instructor Coreq: EXE 372L</td>
<td></td>
</tr>
</tbody>
</table>

Exercise physiology is the study of acute and chronic adaptations of the body's physiological systems to movement and physical conditioning. Physiological foundations and the development of physiological fitness components will be discussed. A laboratory component is integrated into class sessions. Must be taken concurrently with EXE 372L. Same as BIO 372.

### EXE 372L Exercise Physiology Lab

<table>
<thead>
<tr>
<th>Fall</th>
<th>0 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coreq: EXE 372</td>
<td></td>
</tr>
</tbody>
</table>

Lab component to EXE 372 Exercise Physiology. Same as BIO 372L.
### EXE 375 Exercise Testing and Prescription

| Fall & Spring | 3 credit hours | Prereq: ANAT 210/210L & 220/220L, EXE 119, 222, 251  
|               |               | Prereq or coreq: 372/372L |

This course prepares students to plan, direct, and administer age-appropriate exercise prescriptions and health assessments for the general population. Multiple hands-on experiences and application of knowledge will be emphasized. Students will participate in engaged experience with clients on- or off-campus.

### EXE 382 Motor Learning

| Spring | 3 credit hours | Prereq: ANAT 210/210L & 220/220L, EXE 234, 251, & 372/372L |

An examination of factors that affect the acquisition and performance of motor skills and how control of skilled movements is gained, maintained, and adapted. The student will gain experience in neuromuscular integration, psychomotor learning, and error detection and correction through laboratory experiences.

### EXE 385 Sport and Exercise Psychology

| Fall | 3 credit hours | Prereq: PSY 117  
|      |               | Prereq or Coreq: EXE 251 |

This interactive course will focus on the cognitive or mental preparation in sport and health behavior change. It will relate the application of conventional psychological areas and examine human behavior within the context of higher performance and health behavior theories. It will also apply psychological considerations pertaining to sport and exercise in the design of programs and in discussions with athletes and the physically active population.

### EXE 387 Biomechanics

| Spring | 3 credit hours | Prereq: BIO 215 or ANAT 210/210L and ANAT 220/220L, and EXE 372/372L  
|        |               | Coreq: EXE 387L |

The course will provide the student with a mechanical examination of the motion of the human body. Application of anatomical, physiological, and mechanical data will be used to explain and predict movements of the body to improve technique or prevent injury. A laboratory experience is integrated into class sessions. Same as BIO 387.

### EXE 387L Biomechanics Lab

| Spring | 0 credit hours | Coreq: EXE 387 |

Lab component to EXE 387 Biomechanics. Same as BIO 387L.

### EXE 401 Research Methods in Exercise Science I

| Spring | 2 credit hours | Prereq: EXE 251; Coreq: EXE 375 & MAT 224 |

This course will introduce students to the research process in the various areas of exercise science. Students will learn the various elements associated with the design and process of both qualitative and quantitative research, including the process of reviewing relevant literature, the development of a researchable question, and the design of a method to solve a research question. Students will also learn to become selective consumers of published research through the process of literature review and learn the ethical issues associated with research and progress to the human subject protection application with the college’s Institutional Review Board (IRB).
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXE 402</td>
<td>Research Methods in Exercise Science II</td>
<td>1</td>
<td>Fall</td>
<td>Prereq: EXE 251, EXE 401 &amp; MAT 224</td>
</tr>
</tbody>
</table>

This course will pair an exercise science faculty member with a student or a group of students who will be conducting research. With direction from the faculty member, students will select the appropriate body of methods to analyze a finalized research question. A significant part of the course will be spent on the student’s chosen methodology whether quantitative, qualitative or mixed-methods. Students will collect data, interpret and analyze findings and present research in an academic environment.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
</table>

This course provides practical information on assessment and exercise for persons with a wide range of special diseases and disabilities. Students will learn and apply knowledge on how to modify exercise for individuals and groups based on age, medical conditions, and special needs. Diseases and exercises will be explored through current medical research and evidence-based practices. This course fulfills the diversity exploratory requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXE 480</td>
<td>Fitness Internship</td>
<td>1-4</td>
<td>Fall, Immersive, or spring</td>
<td>Prereq: departmental consent</td>
</tr>
</tbody>
</table>

Previous course content is integrated into a practical experience in a fitness setting equivalent to four weeks of full-time employment. EXE 480 will fulfill four semester hours of immersive term requirement. This course is for exercise science majors only.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXE 483</td>
<td>Fitness Practicum</td>
<td>1-2</td>
<td>Fall and spring</td>
<td>Prereq: departmental consent</td>
</tr>
</tbody>
</table>

This supervised and pre-approved experience allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester. This course is for exercise science majors.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXE 489</td>
<td>Professional Development Experience</td>
<td>4-12</td>
<td>Fall, spring, immersive, or summer</td>
<td>Prereq: PDP 200, EXE 401 &amp; senior year</td>
</tr>
</tbody>
</table>

Exercise Science majors will complete a semester-long or summer internship experience. This internship will meet the professional development experience component required for the senior year experience. EXE 489 will fulfill four semester hours of the immersive term requirement if taken during immersive term. Students must meet with the Exercise Science internship coordinator to obtain an internship application and add/drop forms must be signed by a faculty member of record and must have approval of the faculty advisor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXE 490</td>
<td>Independent Study</td>
<td>1-2</td>
<td>Fall and spring</td>
<td>Prereq: Junior status and the consent of the department chair</td>
</tr>
</tbody>
</table>

This course provides the student with an opportunity to further investigate an individualized, independent research topic in exercise science or a related healthcare field not thoroughly covered in core courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXE 498</td>
<td>Professional Development Portfolio</td>
<td>No</td>
<td>Fall and Spring</td>
<td>Prereq: Senior status</td>
</tr>
</tbody>
</table>

The course is designed to help prepare students to become a professional within the health field. This is accomplished through a series of practical experiences, participation in professional organizations, volunteer and service activities, attending workshops, seminars, cooperative activities, community involvement, etc. that actively involve students throughout their senior year. Exercise science majors will finalize materials for their professional development e-portfolio. Artifacts from each of the Exercise Science core classes as well as the professional development experiences should be included in the e-portfolio.
EXE 499 Senior Competency Practicum and Professional Development Course

No credit
Fall and Spring

The Senior Competency Practicum is designed to help the student grow professionally by applying the knowledge and skills acquired in the major. The student is required to successfully pass either the National Strength and Conditioning Association’s Certified Strength and Conditioning Coach® certification, the American College of Sports Medicine Certified Exercise Physiologist certification or a comprehensive practice test for the certifications. Successful completion of the senior competency practicum also meets the professional development course component for the senior year experience.

Kinesiology Course Descriptions

**ANAT 210 Applied Human Anatomy**

4 credit hours
Fall
Coreq: ANAT 210L

This course is designed to provide students with a systemic approach to the study of the human body with an emphasis on application to human movement. Students will learn an introduction to anatomical terminology followed by the microscopic and gross anatomy of the integumentary, reproductive, immune, digestive, urinary, muscular, skeletal, nervous, endocrine, cardiovascular, and respiratory systems. Designed for students interested in allied healthcare fields. Non-majors are welcome after initial registration.

**ANAT 210L Applied Human Anatomy Lab**

No credit
Fall
Coreq: ANAT 210

Lab component of ANAT 210 Applied Human Anatomy.

**ANAT 220 Applied Human Physiology**

4 credit hours
Spring
Scientific Thinking exploratory
Prereq: ANAT 210 with a C or higher
Coreq: ANAT 220L

This course is designed to introduce students to the functions of the human body at the chemical, cellular, tissue, organ, and systems level with an emphasis on application to human movement. Study of the musculoskeletal, nervous, cardiovascular, respiratory, digestive, urinary, immune, reproductive, and endocrine systems will be covered. Designed for students interested in allied healthcare fields. Non-majors are welcome after initial registration. Satisfies scientific thinking exploratory. Prerequisite: ANAT 210 with a “C” or higher.

**ANAT 220L Applied Human Physiology Lab**

No credit
Spring
Prereq: ANAT 210L
Coreq: ANAT 220

Lab component of ANAT 220 Applied Human Physiology.

**KIN 121 Medical Terminology and Documentation for Allied Health Professions**

2 credit hours
Fall

This course presents a basic study of medical terminology. Prefixes, suffixes, root words, combining forms, special endings, plural forms, abbreviations, and symbols are included in the content. This course is intended to assist those studying in medical and allied health-care fields by learning a system for defining, using, spelling, and pronouncing medical words. Basic principles of documentation and the various forms used by allied health-care professionals are also encompassed in this course. Same as BIO 121.
### KIN 300 Topics in Kinesiology

<table>
<thead>
<tr>
<th>1-3 credit hours</th>
</tr>
</thead>
</table>

A topic of current interest in kinesiology will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of faculty member and with approval of the Vice President of Academic Affairs.

### KIN 310 Diversity and Inclusion in Sport

<table>
<thead>
<tr>
<th>3 credit hours</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Fall and Spring</th>
<th>Diversity Exploratory</th>
</tr>
</thead>
</table>

This course examines an encompassing perspective of diversity and inclusion within various sport settings. Specifically, the course provides students with an analysis and understanding of the various ways that people within sports can differ and how power differences impact life and sport experiences, opportunities and outcomes. In particular, this class will focus on diversity issues as they relate to race, ethnicity, gender, social class, sexuality, and physical ability/disabilities.

### KIN 315 Health/Wellness Trends & Issues in Society

<table>
<thead>
<tr>
<th>3 credit hours</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th>Civic Learning Exploratory</th>
</tr>
</thead>
</table>

This course provides an up-to-date examination of current trends, issues and practices pertaining to the areas of health and wellness. Emphasis will be placed on interpreting and applying current facts and examining attitudes impacting one’s understanding of health and wellness in contemporary society. Various formats of analysis and research will be used to establish how a liberally educated person incorporates inter-disciplinary knowledge to research and offer solutions to a societal health/wellness issue.

### KIN 480 Fitness Internship

<table>
<thead>
<tr>
<th>4 credit hours</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Fall, immersive, or spring</th>
<th>Prereq: departmental consent</th>
</tr>
</thead>
</table>

Previous course content is integrated into a practical experience in a fitness setting equivalent to four weeks full-time employment. KIN 480 will fulfill four semester hours of immersive term requirement. This course is for non-exercise science majors.

### KIN 483 Fitness Practicum

<table>
<thead>
<tr>
<th>1-2 credit hours</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Fall and spring</th>
<th>Prereq: departmental consent</th>
</tr>
</thead>
</table>

This supervised and pre-approved experience allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester. This course is for non-exercise science majors.

### KIN 490 Independent Study

<table>
<thead>
<tr>
<th>1-2 credit hours</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Fall and Spring</th>
<th>Prereq: at least 18 semester hours of physical education and the consent of the instructor</th>
</tr>
</thead>
</table>

Individualized, independent research project in a student’s field of interest in physical education not thoroughly covered in regular courses.

---

**Physical Education Course Descriptions**

### PED 004 Physical Education Activity

<table>
<thead>
<tr>
<th>1 activity credit</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Fall and Spring</th>
</tr>
</thead>
</table>

Participation courses involving a variety of sports and activities. Each course includes the origin of the sport, etiquette, fundamental skills, rules, and strategy. Course fees may be associated with some activity classes.

### PED 009 Varsity Sports

<table>
<thead>
<tr>
<th>1 activity credit</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Fall and Spring</th>
</tr>
</thead>
</table>

Students who participate in a varsity sport(s) as a player, manager, cheerleader or dance team member may take PED 009. A student may receive only one credit for a particular sport each academic year.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 110</td>
<td>Lifeguard Training</td>
</tr>
<tr>
<td></td>
<td>2 credit hours</td>
</tr>
<tr>
<td>Spring, on demand</td>
<td></td>
</tr>
</tbody>
</table>

The American Red Cross Lifeguard Training program provides lifeguards with the skills and knowledge necessary to keep patrons of aquatic facilities safe in and around the water. **Skill Prerequisite:** Must be able to swim 300 yards, tread water for 2 minutes, and retrieve a 10lb object from a 7-10 ft. depth in 1 minute, 40 seconds. **Course Fee:** $50. Graded Pass/Fail.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 112</td>
<td>Water Safety Instructor</td>
</tr>
<tr>
<td></td>
<td>2 credit hours</td>
</tr>
<tr>
<td>Fall and Spring, on demand</td>
<td></td>
</tr>
</tbody>
</table>

The American Red Cross Water Safety Instructor course provides instructor candidates the training needed to teach courses in the American Red Cross Swimming and Water Safety Program by developing their understanding of how to use the course materials, how to conduct training sessions and how to evaluate participants’ progress. **Prerequisite:** Candidates must be at least 16 years old (proof of age required) by last class session and successfully complete the basic skills test the first night of class. Basic Skills Strokes: Front Crawl, 25 yds.; Back Crawl, 25 yds.; Sidestroke, 25 yds.; Breaststroke, 25 yds.; Elementary Backstroke, 25 yds.; Butterfly, 15 yds. Candidates must also maintain position on back for 1 minute in deep water and tread water for 1 minute.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 115</td>
<td>Officiating in Volleyball</td>
</tr>
<tr>
<td></td>
<td>1 credit hour</td>
</tr>
<tr>
<td>Fall, on demand</td>
<td></td>
</tr>
</tbody>
</table>

Responsibilities, mechanics, and techniques of officiating volleyball are learned through practical experience. IHSAA certification is available. **Course fee:** $50 (fee also covers PED 116).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 116</td>
<td>Officiating in Basketball</td>
</tr>
<tr>
<td></td>
<td>1 credit hour</td>
</tr>
<tr>
<td>Spring, on demand</td>
<td></td>
</tr>
</tbody>
</table>

Responsibilities, mechanics, and techniques of officiating basketball are learned through practical experience. IHSAA certification is available. **Course fee:** $50 (fee also covers PED 115).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 234</td>
<td>Introduction to Teaching and Coaching Physical Activities</td>
</tr>
<tr>
<td></td>
<td>3 credit hours</td>
</tr>
<tr>
<td>Fall</td>
<td></td>
</tr>
</tbody>
</table>

This course serves as an introduction for students who may enter a profession that includes the teaching and/or coaching of physical activities. Students will be presented with history, philosophies, and principles underlying the current status and nature of physical activity and sport within the school curriculum and society. The course will introduce background information and include discussion on sport psychology, pedagogy, and physiology.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 333</td>
<td>Coaching Baseball and Softball</td>
</tr>
<tr>
<td></td>
<td>1 credit hour</td>
</tr>
<tr>
<td>Spring, odd academic years (second seven weeks)</td>
<td></td>
</tr>
</tbody>
</table>

A study of offensive and defensive strategies and techniques, practice and game responsibilities, rules and related coaching concepts and ideas are covered. PED 234 is highly recommended as a prerequisite.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 334</td>
<td>Coaching Basketball</td>
</tr>
<tr>
<td></td>
<td>1 credit hour</td>
</tr>
<tr>
<td>Spring (first seven weeks)</td>
<td></td>
</tr>
</tbody>
</table>

A study of individual player’s offensive and defensive skills, different offensive and defensive systems of play and other coaching responsibilities. PED 234 is highly recommended as a prerequisite.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 335</td>
<td>Coaching Football</td>
</tr>
<tr>
<td></td>
<td>1 credit hour</td>
</tr>
<tr>
<td>Fall (first seven weeks)</td>
<td></td>
</tr>
</tbody>
</table>

History, rules, offensive and defensive systems of football, current trends, and coaching methods are covered. PED 234 is highly recommended as a prerequisite.
### PED 336 Coaching Volleyball

<table>
<thead>
<tr>
<th>Credit Hours: 1</th>
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</thead>
<tbody>
<tr>
<td>Fall, even academic years (second seven weeks)</td>
</tr>
</tbody>
</table>

A study of team strategy, systems of play, rules, mechanics of skill development, team selection, practice organization, drills, scouting, and team statistics. *PED 234 is highly recommended as a prerequisite.*

### PED 337 Coaching Track and Field

<table>
<thead>
<tr>
<th>Credit Hours: 1</th>
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</thead>
<tbody>
<tr>
<td>Spring, even academic years (second seven weeks)</td>
</tr>
</tbody>
</table>

A study of the coaching techniques for each of the track and field events including the organization and administration of track meets, daily practice structures, and psychology of coaching track and field event competition. *PED 234 is highly recommended as a prerequisite.*

### PED 338 Coaching Soccer

<table>
<thead>
<tr>
<th>Credit Hours: 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall, odd academic years (second seven weeks)</td>
</tr>
</tbody>
</table>

A study of team strategy, systems of play, rules, mechanics of skill development, team selection, practice organization, drills, scouting, and team statistics. *PED 234 is highly recommended as a prerequisite.*

### PED 339 Coaching Swimming

<table>
<thead>
<tr>
<th>Credit Hours: 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>On demand – Fall or spring (seven weeks)</td>
</tr>
</tbody>
</table>

This class is designed to teach students how to develop a comprehensive swimming program. Course content will include the practical development of coaching philosophy, swimming skills and progressions, training principles, practice organization, fundamentals of diving and how to develop an overall season plan. The course will also include an introduction to swimming software.

### PED 480 Coaching Practicum

<table>
<thead>
<tr>
<th>Credit Hours: 1-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall, Immersive, Spring</td>
</tr>
</tbody>
</table>

Prereq: departmental consent

Previous course content is integrated into a practical experience in a coaching setting.
French

Department: Modern Languages
Department Chair: D. Alsop
Department Members: D. Alsop, J. Brown, S. Colburn-Alsop, A. Formoso-Mayán, K. Wasielewski

Major: French
Minor: French

The challenges of today’s world require men and women educated within a multilingual and multicultural perspective. The department of modern languages is dedicated to meeting those challenges by offering programs that open career opportunities in journalism, international business, law, Foreign Service, social and medical services, tourism, and teaching.

The department offers majors and minors in French and Spanish. The possibility of pursuing an individualized minor in language studies or other related areas can be investigated through the individualized minor program.

One semester of a modern foreign language at the 210 course level or higher will satisfy the international exploratory requirement. One semester of a modern language at the 211 course level will satisfy the diversity exploratory requirement.

Advanced Placement
Students who upon matriculation do not demonstrate proficiency equivalent to satisfactory completion of a Franklin College foreign language course numbered 111 or higher or the equivalent at another institution must complete such a course prior to graduation. If a student takes the French or Spanish placement test and places above the first-semester level, the student is eligible to receive credits for the courses below the level into which they placed, provided they successfully complete with a grade of C- or above, at Franklin College, the course into which they placed. Students may earn up to 12 hours for French or Spanish placement. Example: Students who place into the 300 level of French will receive 12 credit hours for FRE 111, 210 and 211 upon the successful completion of a 300-level course by earning a grade of C- or better. Students who place into the 200 level of French will receive eight credit hours for FRE 110 and 111 upon the successful completion of a 200-level course by earning a grade of C- or better. Credits for FRE 210 and 211 count toward the French major and minor and toward the 120 credit hours required for graduation. Advanced Placement credit for FRE 210 will fulfill the International exploratory, and Advanced Placement credit for FRE 211 will fulfill the Diversity exploratory. Credits for FRE 110 and FRE 111 only apply toward the 120 credit hours needed for graduation.

Note: Students must receive a grade of C- or better in a class in order to continue to the next level.
French Major

The minimum requirement for a modern language major is 28 semester hours, numbered above 111. Students must take **at least one** literature course and must receive a grade of C- or better in all 28 semester hours. The courses chosen by the student for the related field requirement must have department approval.

A **maximum of 8 hours** of transfer credit, AP credit, and/or advance-placement credit can be applied to the 28 hours of coursework at the 200-level or above required for the French major. In order to complete the French major, students must therefore complete **at least 20 credit hours** of French coursework at the 200-level or above at Franklin College, including a literature or culture class.

A French major completing a semester or more of approved study abroad can apply up to 8 additional credit hours— as determined by the department—toward the total 28 credit hours required for the major.

**Minimum of 28 credit hours from the following courses**

Must include at least one literature course

- FRE 210 Intermediate French I
- FRE 211 Intermediate French II
- FRE 300 Topics in French
- FRE 314 Career French
- FRE 315 Advanced Writing and Grammar
- FRE 331 French Civilization
- FRE 332 Masterpieces of French Literature
- FRE 334 Francophone Culture
- FRE 337 The Nineteenth-Century Novel
- FRE/CAN 340 Francophone Canadian Literature

**All of the following courses**

- FRE 498 Portfolio
- FRE 499 Senior Essay
- PDP 200 Preparing for Your Internship
- SNR/SNT 489 (FRE) Senior Year Internship/Project

**Related Field**

12 credit hours—courses chosen must have department approval and be submitted to the Academic Records Office. All related field courses must be completed with a grade of C- or better.
French Minor

A maximum of 8 hours of transfer credit, AP credit, advance-placement credit, and/or study-abroad credit can be applied to the 20 hours of coursework at the 200-level or above required for the French minor. In order to complete the French minor, students must therefore complete at least 12 credit hours of French coursework at the 200-level or above at Franklin College, including a literature or culture class.

**Required Courses**

- FRE 210 Intermediate French I
- FRE 211 Intermediate French II
- FRE 314 Career French
- FRE 315 Advanced Writing and Grammar

**One of the following courses**

- FRE 300 Topics in French
- FRE 331 French Civilization
- FRE 332 Masterpieces of French Literature
- FRE 334 Francophone Culture
- FRE 337 The Nineteenth-Century Novel
- FRE/CAN 340 Francophone Canadian Literature
## French Course Descriptions

### FRE 110 Elementary French I
- **Fall**
- **4 credit hours**
- **Prereq:** grade of C- or better in FRE 110 or equivalent
- Designed to introduce students to basic French grammar and conversation so that they may develop skills in listening, speaking, reading, and writing French. Emphasis on Francophone culture.

### FRE 111 Elementary French II
- **Spring**
- **4 credit hours**
- **Prereq:** grade of C- or better in FRE 110 or equivalent
- Continuation of French I.

### FRE 210 Intermediate French I
- **Fall**
- **4 credit hours**
- **Prereq:** grade of C- or better in FRE 111 or equivalent
- A continuation of FRE 110 and 111. Reading and discussion of short works and articles for comprehension of ideas and study of intermediate grammar.

### FRE 211 Intermediate French II
- **Spring**
- **4 credit hours**
- **Prereq:** grade of C- or better in FRE 210 or equivalent
- Discussion of readings in French literature, and civilization and continued study of grammar. Strongly recommended by the department as part of a related field for students whose major is the humanities and who plan to pursue graduate study.

### FRE 300 Topics in French
- **Spring**
- **4 credit hours**
- **Prereq:** grade of C- or better in FRE 211 or equivalent
- A topic of current interest in French will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.

### FRE 314 Career French
- **Spring**
- **4 credit hours**
- **Prereq:** grade of C- or better in FRE 211 or equivalent
- A basic introduction to French as used in such career fields as journalism, business, medicine, law, and social work. Emphasis is on conversation and the development of oral and written skills through the study of advanced grammar.

### FRE 315 Advanced Writing and Grammar
- **Fall**
- **4 credit hours**
- **Prereq:** grade of C- or better in FRE 211 or equivalent
- Discussion of journalistic and cultural readings as models for students’ writing will be combined with continued study of advanced grammar. Emphasis will be on writing skills.

### FRE 331 French Civilization
- **Fall, even academic years**
- **4 credit hours**
- **Prereq:** Successful completion of FRE 314 and FRE 315, or consent of instructor
- An in-depth study of all aspects of French civilization with an emphasis on the intellectual and cultural achievements in France and French-speaking countries. From 1871 to the present, the stress is on the movement of ideas and social changes through the two World Wars and the Fifth Republic.
**FRE 332 Masterpieces of French Literature**

<table>
<thead>
<tr>
<th>4 credit hours</th>
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</thead>
<tbody>
<tr>
<td>Spring, even academic years</td>
</tr>
<tr>
<td>Prereq: Successful completion of FRE 314 and FRE 315, or consent of instructor</td>
</tr>
</tbody>
</table>

Readings, lectures, and discussions in French of representative masterpieces of French literature from its origins to the present day.

**FRE 334 Francophone Culture**

<table>
<thead>
<tr>
<th>4 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall, odd academic years</td>
</tr>
<tr>
<td>Prereq: Successful completion of FRE 314 &amp; FRE 315, or consent of instructor</td>
</tr>
</tbody>
</table>

This course is designed to broaden student’s cultural knowledge of the francophone world. Students will study the history of different French-speaking areas, in particular Africa, the Antilles, and North America. The study of literary and cultural texts along with art and music will allow students to further develop their understanding of the cultures studied. This course provides students with a broader cultural dimension to raise their consciousness of intercultural perspectives. This course can satisfy the literature requirement for French majors and minors.

**FRE 337 The Nineteenth-Century Novel**

<table>
<thead>
<tr>
<th>4 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offered on sufficient demand</td>
</tr>
<tr>
<td>Prereq: Successful completion of FRE 314 &amp; FRE 315, or consent of instructor</td>
</tr>
</tbody>
</table>

In-depth study of the French novel in this productive century. Reading and discussion of representative works from Romanticism through Naturalism.

**FRE 340 Francophone Canadian Literature**

<table>
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<tr>
<th>4 credit hours</th>
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<tbody>
<tr>
<td>Spring, odd academic years</td>
</tr>
<tr>
<td>Prereq: a grade of C- or better in CAN 130 &amp; successful completion of FRE 314 &amp; FRE 315, or consent of instructor</td>
</tr>
</tbody>
</table>

A literary analysis of representative works by Quebec and other Francophone authors from the colonial period to the present. Taught in French. Same as CAN 340.

**FRE 482 French Practicum**

<table>
<thead>
<tr>
<th>1-2 credit hours</th>
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</thead>
</table>

A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.

**FRE 490 Independent Study**

<table>
<thead>
<tr>
<th>1-2 credit hours</th>
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</thead>
<tbody>
<tr>
<td>Prereq: Departmental consent is required</td>
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</tbody>
</table>

This course is designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings. The course will include directed reading and discussion of French culture, language, and literature. A final exam or paper is required.

**FRE 498 Portfolio**

<table>
<thead>
<tr>
<th>No credit</th>
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</table>

Students will save all components leading to their senior essay required in FRE 499; research, drafts, final copy. Contents may also include assignments and projects of the student’s choosing from other coursework. The portfolio is completed with assignments related to leadership and professional development from the PDP 200 course.
FRE 499 Senior Essay

Students will be required to research, write, and revise an essay on a topic relating to their course work at Franklin College. The topic must be approved by the modern languages department. Students will be required to present their essay at a session open to the college community. Students must receive a grade of C- or better in order to pass.

LAN 120 Language Study

1-4 credit hours

Upon occasion, when qualified instructors are available and student demand is sufficient, courses in languages other than French or Spanish may be offered as approved by the Vice President of Academic Affairs. These courses will apply as elective credit toward graduation requirements. Courses offered at the intermediate level or above will meet the international exploratory requirement.

LAN 300 Topics in Language

International or Civic Learning exploratory (pending topic approval)

3 credit hours

A topic of current interest in language, other than French or Spanish, will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs. Depending on the topic and/or level of the course, LAN course may satisfy the international or civic learning exploratory requirement.

SNR/SNT 489 (FRE) Senior Year Internship/Project

Prereq: instructor permission

1 credit hour

A one-credit-hour practicum that is set up with help from the Modern Languages Department. Possibilities include, but are not limited to: working in French for a local business and helping with language programs at area schools. Students may not apply this one credit towards the 28-hours required for a major in French.
History

Department: History
Department Chair: M. Clark-Wiltz
Department Members: E. Bakhtary, M. Clark-Wiltz, L. Hurtado, K. Streit

Major: History
Minor: History

The department of history provides the means in the liberal arts curriculum by which undergraduate students learn to better understand the present and prepare for the future by studying the past.

To fulfill this mission, the department provides its students with the main outlines of European, North American, and non-Western history; cultivates in them the skills required to analyze and interpret historical phenomena; shows them how to evaluate the writings of other historians; and instructs them in the techniques of historical research and writing. As a result of this training, students majoring in history will be able to conduct historical research, write about historical topics analytically, and apply an informed historical perspective to the world in which they live. They will specifically be prepared for graduate school, employment in historical organizations, a career in teaching, or entry into professions which utilize a historical point of view combined with research and writing skills.

All history majors and minors must earn at least a C- in each of the required history courses and must earn an overall C average in all history courses. A senior competency practicum (HIS 499) is required of all history majors and includes a written and an oral examination conducted by three history professors, unless the student requests one from a related field. A grade, representing an average of the two examinations, is entered on the student’s permanent record. The senior competency practicum (HIS 499) must be passed with a grade of C in order to satisfy graduation requirements.
History Major

Core Requirements
- LA 102 The Past and Present: The World Since 1750
- HIS 120 United States History to 1877
- HIS 121 United States History since 1877
- HIS 370 Historiography
- HIS 499 Senior Competency Practicum

Professional Development Requirements
- HIS 200 Public History
- HIS 400 Senior Seminar (includes senior portfolio)

One course from each category, plus one additional course from any of these categories
(HIS 300 topics courses may substitute for any course in the appropriate category)

Category A
- HIS 231 African American History
- HIS 250 Indiana History
- HIS 325 History of American Thought
- HIS/WST 332 History of Women in the United States
- HIS 335 United States History Since 1945

Category B
- HIS 210 Introduction to Latin American History and Culture
- HIS 214 The South Atlantic World, 1400-1824
- HIS 230 History of Canada
- HIS 310 Modern Latin America

Category C
- HIS 348 Germany and Europe: 1848-1945
- HIS 350 Europe Since 1945
- HIS 356 Russian History

Category D
- HIS 205 World History to 1750
- HIS 340 Global Military History
- HIS 361 East Asian History
- HIS 365 History of the Middle East

Related Field Requirement
Twelve semester hours from related fields are to be selected in consultation with the student’s departmental advisor. (Note: the agreed list of courses must be submitted to the Academic Records Office, in writing, by the academic advisor). All related field requirements must be completed with a grade of C- or better.
History Minor

Required courses

LA 102 The Past and Present: The World Since 1750
HIS 120 United States History to 1877
HIS 121 United States History since 1877

Three courses, each from different categories

Category A

HIS 231 African American History
HIS 250 Indiana History
HIS 325 History of American Thought
HIS/WST 332 History of Women in the United States
HIS 335 United States History Since 1945

Category B

HIS 210 Introduction to Latin American History and Culture
HIS 214 The South Atlantic World, 1400-1824
HIS 230 History of Canada
HIS 310 Modern Latin America

Category C

HIS 348 Germany & Europe: 1848-1945
HIS 350 Europe Since 1945
HIS 356 Russian History

Category D

HIS 205 World History to 1750
HIS 340 Global Military History
HIS 361 East Asian History
HIS 365 History of the Middle East
### History Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Semester</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HIS 120</strong></td>
<td>United States History to 1877</td>
<td>3</td>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td><strong>HIS 121</strong></td>
<td>United States History since 1877</td>
<td>3</td>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td><strong>HIS 200</strong></td>
<td>Public History</td>
<td>4</td>
<td>Spring</td>
<td>HIS 120 or HIS 121 or consent of instructor</td>
</tr>
<tr>
<td><strong>HIS 205</strong></td>
<td>World History to 1750</td>
<td>4</td>
<td>Fall, even academic years</td>
<td></td>
</tr>
<tr>
<td><strong>HIS 210</strong></td>
<td>Introduction to Latin American History and Culture</td>
<td>4</td>
<td>Spring, odd academic years</td>
<td>International exploratory</td>
</tr>
<tr>
<td><strong>HIS 214</strong></td>
<td>The South Atlantic World, 1400-1824</td>
<td>4</td>
<td>Spring, even academic years</td>
<td>Diversity Exploratory</td>
</tr>
<tr>
<td><strong>HIS 230</strong></td>
<td>History of Canada</td>
<td>4</td>
<td>Fall, even academic years</td>
<td>International exploratory, CAN 130 or HIS 120 or consent of instructor</td>
</tr>
</tbody>
</table>

**HIS 120 United States History to 1877**
Fall
Survey of the history of the United States from the 15th century to the end of the Reconstruction following the Civil War.

**HIS 121 United States History since 1877**
Spring
A survey of the history of the United States from the end of the Reconstruction until the contemporary period.

**HIS 200 Public History**
Spring
Prereq: HIS 120 or HIS 121 or consent of the instructor
This course will introduce students to the concept and practice of public history. Students will examine how institutions and communities construct history for public consumption and consider the variety of purposes, problems, methods, and forms that coincide with public history. Some areas of focus might include community/local history, historic preservation, archives, museum studies, oral history, and digital narratives. This course will assist students with their professional development, allowing them to explore career options in the field, introducing them to the conventions of the profession, and providing them with tools to plan an academic path that will support their post-graduation goals.

**HIS 205 World History to 1750**
Fall, even academic years
A systematic introduction to events, ideas, and institutions that shaped world history from the beginnings to 1750. Particular emphasis will be placed on political, economic, social, and cultural developments.

**HIS 210 Introduction to Latin American History and Culture**
Spring, odd academic years
International exploratory
An introductory class to the history, arts, economy, and politics of Latin American countries through the lens of popular culture. Some of the topics that students discuss in this class are the pre-Columbian and Colonial foundations of Latin American societies in Mesoamerican, the Andes, the Southern Cone and the Caribbean; the process of state formation on the region in the 19th century, the wave of Military Regimes in South America, and the rise of neo-populisms in the 21st century. In this class, students use a wide variety of primary and secondary sources, they will also watch movies and listen to songs.

**HIS 214 The South Atlantic World, 1400-1824**
Spring, even academic years
Diversity Exploratory
This course is a survey of the evolution of societies in the Southern Atlantic World from 1400-1824 focusing on Africa, Spain, Portugal, Spanish America, Brazil, and the Caribbean. Topics include political and commercial systems, the slave trade, evangelization and the hybridization of religions, gender ideology, and social history.

**HIS 230 History of Canada**
Fall, even academic years
International exploratory
Prereq: CAN 130 or HIS 120 or consent of instructor
This course traces Canada’s historical evolution from colonial times to the present. It introduces students to the political, economic, social, and cultural history of Canada. Same as CAN 230.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>HIS 231</td>
<td>African American History</td>
<td>4</td>
<td>Fall, even</td>
<td>Diversity exploratory</td>
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<td>This course will examine the African-American</td>
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<td>experience from its beginnings to the present.</td>
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<td>We will study and analyze historical developments</td>
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<td>related to the process of race formation, the</td>
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<td>development of American slavery, the meanings</td>
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<td>of emancipation and freedom, resistance and</td>
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<td>civil rights movements, and cultural and</td>
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<td>community production. We will focus on the</td>
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<td>voices of African American historical actors and</td>
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<td>the diversity within those experiences and</td>
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<td>perspectives. This study will require placing</td>
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<td>the African-American experience in the larger</td>
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<td>context of U.S. history, understanding it as a</td>
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<td>central force that shaped and revealed other</td>
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<td>historical developments.</td>
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<tr>
<td>HIS 250</td>
<td>Indiana History</td>
<td>3</td>
<td>Spring, odd</td>
<td>Prereq: HIS 120 or 121 or consent of instructor</td>
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<td>academic years</td>
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<td>A study of Indiana history from prehistoric to</td>
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<td>recent times, with emphasis on the growth of a</td>
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<td>distinctive Hoosier culture. Particular areas</td>
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<td>of concentration include Indian, French and</td>
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<td>English backgrounds, frontier history, the</td>
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<td>effects of the Civil War on Hoosier social and</td>
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<td>political life, the rise of industrial and urban</td>
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<td>Indiana, and political, economic, and social</td>
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<td>developments in recent times.</td>
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<tr>
<td>HIS 300</td>
<td>Topics in History</td>
<td>3</td>
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<td>A topic of current interest in history will be</td>
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<td>taught. Topics will vary depending on faculty</td>
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<td>interest. Course will be offered upon the</td>
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<td>request of a faculty member and with approval</td>
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<td>of the Vice President of Academic Affairs.</td>
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<tr>
<td>HIS 310</td>
<td>Modern Latin America</td>
<td>4</td>
<td>Fall, odd</td>
<td>International exploratory</td>
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<td>academic years</td>
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<td>This course is a survey of the history of Latin</td>
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<td>America since 1810. Major themes include the</td>
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<td></td>
<td>emergence of national identities, the legacies</td>
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<td></td>
<td>of colonialism, urbanization, industrialization,</td>
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<td>U.S. – Latin American relations, social</td>
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<td></td>
<td>movements, and revolutionary change.</td>
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<tr>
<td>HIS 325</td>
<td>History of American Thought</td>
<td>4</td>
<td>Fall, even</td>
<td>Prereq: HIS 120 or HIS 121 or consent of instructor</td>
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<td>academic years</td>
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<td>An examination of themes in American intellectual</td>
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<td>history, including systems of ideas such as</td>
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<td>Puritanism, Enlightenment thought,</td>
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<td>Transcendentalism, Social Darwinism, Pragmatism;</td>
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<td>particular concepts such as vision of the New</td>
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<td>World, the myth of the West, and liberal versus</td>
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<td>conservative interpretations of the American</td>
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<td>experience; the lives and works of outstanding</td>
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<td>American intellectuals.</td>
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<tr>
<td>HIS 332</td>
<td>History of Women in the United States</td>
<td>4</td>
<td>Fall, odd</td>
<td>Prereq: HIS 120 or HIS 121 or consent of instructor</td>
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<td>academic years</td>
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<td>Human exploratory</td>
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<td>Behavior</td>
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<td>This course will survey the history of women in</td>
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<td>the United States from the colonial era through</td>
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<td>the civil rights movement of the 1950s –’60s.</td>
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<td>The course will focus especially on the role of</td>
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<td>women in various social movements including:</td>
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<td>the movement to abolish slavery, the fight for</td>
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<td>women’s suffrage, reformist movements of the</td>
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<td>early twentieth century and the modern feminist</td>
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<td>movement. Students will have the opportunity to</td>
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<td>pursue a research paper on the social issues</td>
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<td>addressed in the life/work of an activist of</td>
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<td>their choosing. Same a WST 332.</td>
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<td>HIS 335</td>
<td>United States History Since 1945</td>
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<td>Fall, odd</td>
<td>Prereq: HIS 121 or consent of the instructor</td>
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<td>This course examines major political, economic,</td>
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<td>cultural, and social developments in the U. S.</td>
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<td>from 1945 to the present.</td>
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</table>
HIS 340 Global Military History  
Fall, even academic years | Diversity Exploratory | 4 credit hours
What is war? How have war and conflict shaped the economy and politics of societies from the past and present? What is the relationship between tactics and strategy? Is there a unique Western way of fighting wars? This class discusses the relationship between the military and society across time and in different geographical scenarios, from the Ancient Greeks to the Aztecs and from the Zulu in South Africa to the Pashtun in present-day Afghanistan. The class pays special attention to the role that military innovations such as chariots, the phalanx, gunpowder, steamboats, atomic energy and terrorism, have had in shaping war and conflict, and the spread of military ideas in shaping military interactions across the globe. In this class we will use primary and secondary sources, and we will also watch war movies from different countries.

HIS 348 Germany and Europe: 1848-1945  
Spring, even academic years | International exploratory | 4 credit hours
A probe into the German bid to dominate Europe by force, beginning with the process of creating the modern German state in the mid-to-late 19th century and focusing on the two world wars, the Nazi dictatorship, and the Holocaust.

HIS 350 Europe Since 1945  
Spring, odd academic years | International exploratory | 3 credit hours
Explores the importance of the economic integration of western Europe following World War II, the creation of welfare states, the cold-war division of Europe into NATO and the Warsaw Pact countries, the collapse of the eastern block, and the integration of the eastern European countries into the modern European community.

HIS 356 Russian History  
Fall, even academic years | International exploratory | 4 credit hours
Survey of Russian history with equal emphasis on the imperial and Soviet periods. Russia’s cultural and political relationships with the West, on the one hand, and with its Asian imperial possessions, on the other hand, are prominent themes of the course.

HIS 361 East Asian History  
Fall, odd academic years | International exploratory | 4 credit hours
The history of China, Japan, and Korea, with most emphasis on the 20th-century conflict between China and Japan, World War II in the Pacific, and the Communist regime in China.

HIS 365 History of the Middle East  
Spring, odd academic years | International exploratory | 4 credit hours
The history of the Middle East from the time of Muhammad to the present. Extensive treatment is given to the 19th and 20th century roots of the present-day crises in the region.

HIS 370 Historiography  
Fall | Prereq: LA 102, HIS 120, HIS 121, HIS 200 & junior standing or consent of instructor | 4 credit hours
An introduction to the discipline of history through a study of its practitioners in Europe and North America. This course will explore the variety of approaches to the past, the conceptual and analytical tools of historians over time, and the search for patterns and laws of history. The course also includes research and writing methods for historians: choice of project; creation of a thesis question and bibliography; use of primary, secondary, and internet sources; and style and production skills.
**HIS 400 Senior Seminar**  
4 credit hours  
Fall  
Prereq: HIS 370 & senior standing, or consent of instructor

This senior year experience allows majors to complete a substantial and original research project. The project requires students to conduct research based on primary sources, present the findings of their research in the form of an oral presentation in a conference-type setting and a written paper, and read and comment upon another student’s research findings. This course fulfills the SNR portion of the professional development requirements.

**HIS 490 Independent Study**  
1-2 credit hours  
Prereq: consent of instructor

Designed to encourage student initiative and to provide a degree of flexibility in the departmental program, this course may consist of special reading or research in a field of the student’s interest not sufficiently covered or appropriately covered in regular departmental courses.

**HIS 498 Senior Portfolio**  
No credit

Student will create and maintain their own portfolios to be kept in the department with important written work, resumes, publicity, and any other information necessary and helpful to those from whom they ask references. The content and current nature of this portfolio will be the responsibility of the student.

**HIS 499 Senior Competency Practicum**  
No credit

History majors are to present their senior research findings publicly. History faculty and students will pose questions to the student. This exercise will be graded by the history faculty, and the student will need a grade of “C” or better.
Individualized Major

An Individualized Major offers highly motivated and self-directed students an opportunity to develop a program of study tailored to meet their special talents, academic interests, and career goals. An individualized major is designed for a student who is able to document the absence of an existing major that satisfactorily meets his/her specific educational and professional objectives. A student may design an individualized major for a first or second major. However, those seeking a second major via this process may not duplicate any courses with his/her first major.

Individualized Majors are designed by students in conjunction with an Individualized Major (IM) Committee. An academic department must sponsor the proposal (see Parameter #5 below). The IM Committee is comprised of the student’s academic advisor and at least two other faculty sponsors (one of whom must be the chair of the sponsoring department). Two of these three members of this IM Committee should reflect the student’s educational objectives and career interests. Finally, a representative of the Faculty Curriculum Committee must sign at the time of approval, but is not a member of the IM Committee.

Students applying for an individualized major must meet the following requirements:
- Completed at least one full semester of college work at Franklin College.
- Minimum GPA of 2.75 prior to submitting an application.
- Class level less than junior status (< 58 credit hours). Students with junior status (58-90 hours completed) may petition the Academic Rules Committee for an exception to the academic policy. Seniors are ineligible to apply for an individualized major. Academic Rules Committee petitions are located in the Academic Records Office.

Parameters for the Individualized Major

1. As individualized majors are student specific, each student’s IM proposal must undergo all stages of the approval process.
2. The major must consist of at least 30 credits hours of core requirements with an additional 12 credit hours in a related field.
3. No more than 18 of the 30 credit hours in the major core requirements may come from an existing major at Franklin College.
4. At least 20 of the 30 core credit hours must be from courses numbered 200 or higher.
5. At least 12 of the 30 core credit hours must come from the sponsoring department.
6. No courses with an LA prefix may count toward the major.
7. No more than 6 credit hours of individualized studies may be used to complete the major.
8. The major must include a senior-level capstone experience and a senior competency practicum (499). The capstone may be an existing course or an independent study course supervised by one of the faculty sponsors.
9. Students must meet all liberal arts requirements and all other requirements for graduation.
10. All courses in the major must be completed with a grade of C- or better. Student must maintain a cumulative and major GPA of 2.00 in order to graduate with the proposed individualized major.
11. Academic courses taken for the major may not be taken on a pass/fail basis.
12. A course may not count for both the individualized major and another major.
13. This major may include regular catalog courses, immersive-term courses and experiences, off-campus courses (if approved), travel experiences, individualized studies, special topics courses, practica, and internships.
14. An individualized major must be completed within six semesters of its declaration. A student seeking an extension must gain approval from his/her IM Committee. Documentation regarding an extension must be submitted to the Academic Records Office for degree-granting purposes.
**15.** Any interruption, which extends beyond one semester, in a student’s academic progress toward an individualized major requires a resubmission of the IM proposal.

**Development of the Proposal**

1. In conjunction with the student’s IM Committee, verify that the proposed individualized major satisfies the above parameters.

2. Prepare a defense of the individualized major on the IM application, which is available in the Academic Records Office. This defense should include a rationale for the courses chosen to constitute the major and related field and an explanation of how the major will enhance the student’s educational and professional objectives. The student must explain why an existing major at Franklin will not meet these objectives. Furthermore, the student should demonstrate connections between academic interests and vocational or graduate school interests.

3. Carefully complete the individualized major application. (available in the Academic Records Office)

4. All changes to the Individualized Major must be approved by the student’s IM Committee and a representative of FCC. Any and all changes must be filed in the Academic Records Office for degree-granting purposes.

**Approval Process**

1. IM Committee – signatures on formal application
   - Includes academic advisor and two additional faculty members (one of whom must be the chair of the sponsoring department)

2. Faculty Curriculum Committee representative

3. Faculty supervising individualized studies, practica, experiential learning activities, etc. –if applicable

4. Academic Rules Committee Chair/Registrar – signs and files
Leadership Studies Program

Director: Chris Fleming

Minors: Leadership, Nonprofit Leadership

In our government, in our workplaces, in our places of worship, schools, and homes, people need to be better prepared to come together to solve problems, to lead, and to contribute to the group. The Franklin College Leadership Program prepares students to lead and contribute to society by providing a structured learning experience and opportunities for reflecting on and practicing leadership.

Franklin College prepares all its students to become leaders.

The Franklin College community believes that leaders must
- be self-aware,
- develop and practice ethical standards,
- work well with diverse people, and
- be willing and able to take action.

The Franklin College faculty and staff have adopted a comprehensive list of professional and leadership qualities, skills, and competencies that are incorporated in the Liberal Arts student learning plan, departmental student learning plans, and co-curricular activities. They are as follows:

**Personal Qualities**
- Integrity
- A personal, ethical framework
- Responsibility and accountability
- Personal vision and goal setting

**Willingness to learn and change**
- Physical well being
- Commitment
- Self awareness

**Interpersonal Competencies**
- Appreciate diversity
- Work with and in a group
- Manage conflict
- Create a shared vision and find common ground

**Give, receive, and learn from feedback**
- Share leadership
- Initiate and manage change

**Communication Skills**
- Present ideas effectively
- Write well
- Listen well
- Read with high comprehension

**Attend to non-verbal communication**
- Participate in and conduct civil discourse
- Balance advocacy and inquiry
- Speak confidently in public

**Cognitive Abilities**
- Think systemically
- Practice integrative thinking
- Think critically
- Make decisions
- Think creatively

**Transfer knowledge and create analogies**
- Solve theoretical and applied problems
- Manage complexity and ambiguity
- Assess and manage risk
- Exercise an awareness of international perspectives
Technological Skills
Utilize technology to solve problems
Evaluate and use technology appropriately and effectively
Evaluate and use technological resources and documentation
Access, evaluate, and synthesize informational resources

Leadership Minor
(a minimum of 18 hours as follows, all earned with a grade of C- or better)

Core courses
LEA 100 Introduction to Personal Leadership Skills
LEA 220 Leadership: Foundations, Theory, and Practice

One of the following courses
LEA 320 Leadership, Creativity, and Innovation
LEA 330 Leadership in a Multicultural Context

One of the following immersive courses
LEA 315 Nonprofit Leadership Capstone
LEA 320 Leadership, Creativity, and Innovation (in addition to LEA 330 above)
LEA 330 Leadership in a Multicultural Context (in addition to LEA 320 above)
MAT 345 Statistical Consulting Project
POL 234 American Political Participation
POL 275 Law and Politics in American Society
Mock Trial course
Model United Nations course

To complete the 18 required hours, students can select from any courses listed above, as well as any of the following courses
ART 140 Graphic Design I
BUS 102 Development of the Entrepreneurial Mindset
BUS 371 Operations Management
MMJ/PRL 180 Publication Design
PHL 220 Principles of Ethics
POL 360 Social and Political Thought
PSY 320 Social Psychology or SOC 323 Organizations

Other classes or internships may be substituted on this list with the approval of the Director of Innovation and Leadership Studies.
Nonprofit Leadership Minor
All courses must be completed with a grade of “C-” or better.

Core Requirements
- BUS 101 Introduction to the Business Mindset
- LEA 100 Introduction to Personal Leadership Skills
- NPL/SOC 222 Social Problems & Nonprofit Responses
- NPL/SOC 230 Introduction to Nonprofits
- NPL/LEA/SOC 315 Nonprofit Leadership Capstone

One of the following courses
- BUS 371 Operations Management
- LEA course number 200-level or higher
- SOC 323 Organizations
Leadership Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>COR 003</td>
<td>Student Leadership</td>
<td>1 activity</td>
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Students enrolling in this course must currently hold a leadership position in a campus organization. This class will provide information on effective leadership techniques and help students establish goals for the organization and develop a plan to achieve them.

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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>LEA 100</td>
<td>Introduction to Personal Leadership Skills</td>
<td>3</td>
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</table>

Fall & Spring, on demand

Students will learn about their personal leadership style and improve their skills in conflict management, decision making, goal setting, collaboration, and managing change. Experiential activities will be used to illustrate theories of leadership. Students will also explore opportunities for leadership in the campus community.

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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tr>
<td>LEA 220</td>
<td>Leadership: Foundations, Theory, and Practice</td>
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Spring

Human Behavior exploratory

In this course students will explore the research and ideas about leadership from historical and critical perspectives. Readings will include work from early history through the ages, including Machiavelli, J.M. Burns, Robert Greenleaf, Stewart Friedman and others. Students will connect their learning to field experiences and contact with leadership groups in Indiana.

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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tr>
<td>LEA 300</td>
<td>Leadership Topics</td>
<td>1-3</td>
</tr>
</tbody>
</table>

A topic of current interest in leadership will be taught. Past topics have included Change, Collaboration, and Leadership in Films.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEA 315</td>
<td>Nonprofit Leadership Capstone</td>
<td>4</td>
</tr>
</tbody>
</table>

Spring, odd academic years

Civic Learning exploratory

Prereq: NPL/SOC 230 & all LA courses

This course provides an integrative experience linking the student’s leadership skills and liberal arts preparation to the learning in her/his major field of study. Specifically, the capstone experience will involve direct student participation working with a non-profit organization and that organization’s board. Students in the course must develop a project(s) to be carried out with the non-profit. The project will culminate with a public event or presentation. The capstone project must be reviewed and approved by the course instructor and at least one representative of the Engaged Learning Team. Total course experience brings opportunity to think independently, lead responsibly, and serve with integrity. Same as SOC/NPL 315.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEA 320</td>
<td>Leadership, Creativity, and Innovation</td>
<td>3</td>
</tr>
</tbody>
</table>

Fall, even academic years

Students will examine contemporary alternatives to traditional leader-follower models, and will gain hands-on experience with creative problem solving and designing innovation. Readings will be selected from theorists and practitioners including Margaret Wheatley, Linda Hill, Tom Kelley, Ed Catmull, and Marty Neumeier.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEA 330</td>
<td>Leadership in a Multicultural Context</td>
<td>3</td>
</tr>
</tbody>
</table>

Fall, odd academic years

Diversity exploratory

In this course students will examine how different cultures define leadership and respond to its core elements such as power, vision, conflict, and decision making.
LEA 482 Leadership Practicum

1-2 credit hours

Prereq: instructor permission

A supervised, pre-approved experience that allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.
Mathematics

Department: Mathematics and Computing
Department Chair: J. Boardman
Department Members: R. Beasley, J. Boardman, D. Callon, P. Fonstad, J. Gash, S. Hoehn, K. Smith, A. Walls

Majors: Actuarial Science, Applied Mathematics, Pure Mathematics, Quantitative Analysis
Minors: Mathematics, Quantitative Methods
Related Major: Data Science
Related Minor: Data Science

Courses and majors in mathematics and computing are designed to provide students with fundamental knowledge of and facility with concepts and processes in mathematics and computing and to help develop interpersonal and lifetime learning skills so that they can adapt to new challenges and situations in their personal and professional lives. The department seeks to promote active learning in the classroom through the implementation of cooperative learning, discovery learning, and the incorporation of technology in a variety of hands-on experiences.

All required courses for a major or minor in mathematics or computing, including all related field and prerequisite requirements, must be completed with a C- or better. Prerequisites for non-majors must also be completed with a C- or better. Education students should consult that department for minimum requirements.

Majors in Mathematics
Students who pursue a major in mathematics may select one or more of the following curricular programs: pure mathematics, applied mathematics, actuarial science, and quantitative analysis. A 3+2 engineering program is also available in computer engineering, electrical engineering, and mechanical engineering. See the engineering section of this catalog for further details.
**Pure Mathematics Major**

*Designed for students who are preparing for graduate school by providing a broad theoretical base*

**Core Requirements**
- MAT 135 Calculus
- MAT 140 Introduction to the Mathematical Sciences
- MAT 142 Calculus II
- MAT 181 Discrete Mathematics I
- MAT 182 Discrete Mathematics II
- MAT 224 Basic Applied Statistics
- MAT 233 Linear Algebra
- MAT 253 Calculus III
- MAT 343 Probability Theory
- MAT 471 Senior Seminar
- MAT 499 Senior Competency Practicum
- PDP 200 Preparing for Your Internship
- INT 261 Computing/Math/Statistics Internship

**Pure Math Program Requirements**
- MAT 361 Modern Algebra
- MAT 367 Introduction to Real Analysis
- One additional MAT course at the 300-level

**One of the following courses** — *satisfies the senior year experiences requirement for graduation*
- MAT 450 Guided Independent Research in Mathematics
- MAT 490 Independent Study

**Related Field Requirements**

**Computer modeling**
- CMP 130 Introduction to Computing
- CMP 141 Python for Computing and Data Science I
- CMP 150 Computer Tools for Problem Solving

**One of the following courses**
- CMP 142 Python for Computing and Data Science II
- CMP 360 Operations Research

**Three additional credit hours** approved by the departmental advisor. Courses taken to meet liberal arts exploratory requirements cannot be included.
**Actuarial Science Major**
An interdisciplinary major consisting of coursework in mathematics, statistics and business designed for students interested in using quantitative methods to assess and manage risk, especially in a financial setting. **Note:** Not available to Quantitative Analysis majors.

**Core Requirements**
- MAT 135 Calculus
- MAT 140 Introduction to the Mathematical Sciences
- MAT 142 Calculus II
- MAT 181 Discrete Mathematics I
- MAT 182 Discrete Mathematics II
- MAT 224 Basic Applied Statistics
- MAT 233 Linear Algebra
- MAT 253 Calculus III
- MAT 343 Probability Theory
- MAT 471 Senior Seminar
- MAT 499 Senior Competency Practicum
- PDP 200 Preparing for Your Internship
- PDP 330 Big Data and the Professional Workplace

**One of the following internships**
- INT 261 Computing/Math/Statistics Internship

**Actuarial Science Program**
- MAT 344 Mathematical Statistics
- MAT 352 Financial Mathematics

**Computer Modeling Requirements**
- CMP 130 Introduction to Computing
- CMP 141 Python for Computing and Data Science I
- CMP 150 Computer Tools for Problem Solving

**Economics, Business, and Accounting Requirements**
- ACC 221 Principles of Accounting I
- ACC 222 Principles of Accounting II
- ECO 115 Principles of Economics
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics
- BUS 351 Business Finance
- BUS 352 Investments
- BUS 353 Principles of Risk and Insurance

**Recommended Course**
- ECO 380 Econometrics
**Applied Mathematics Major**

*Designed for students interested in relating theoretical concepts with their applications in other disciplines and in industry (e.g. engineering and operations research).*

**Core Requirements**

- MAT 135 Calculus
- MAT 140 Introduction to the Mathematical Sciences
- MAT 142 Calculus II
- MAT 181 Discrete Mathematics I
- MAT 182 Discrete Mathematics II
- MAT 224 Basic Applied Statistics
- MAT 233 Linear Algebra
- MAT 253 Calculus III
- MAT 343 Probability Theory
- MAT 471 Senior Seminar
- MAT 499 Senior Competency Practicum
- PDP 200 Preparing for Your Internship

**One of the following internships**

- INT 261 Computing/Math/Statistics Internship

**Applied Math Program Requirements**

- MAT 345 Statistical Consulting Project
- PDP 330 Big Data and the Professional Workplace

**One of the following courses**

- MAT 256 Differential Equations
- MAT 344 Mathematical Statistics

**One of the following courses**

- MAT 300 Topics in Mathematics
- MAT 367 Introduction to Real Analysis

**Related Field Requirements**

**Computer modeling**

- CMP 130 Introduction to Computing
- CMP 141 Python for Computing and Data Science I
- CMP 150 Computer Tools for Problem Solving

**One of the following courses**

- CMP 142 Python for Computing and Data Science II
- CMP 360 Operations Research

**Nine additional credit hours** selected by the student and approved by a departmental advisor. Courses taken to meet liberal arts exploratory requirements cannot be included.
Quantitative Analysis Major

Designed for students interested in exploring the relationships between mathematics and either marketing, finance, or economics. The list below includes the related field requirements. Note: Not available to Actuarial Science majors.

Core Requirements

- MAT 135 Calculus
- MAT 140 Introduction to the Mathematical Sciences
- MAT 142 Calculus II
- MAT 181 Discrete Mathematics I
- MAT 182 Discrete Mathematics II
- MAT 224 Basic Applied Statistics
- MAT 233 Linear Algebra
- MAT 253 Calculus III
- MAT 343 Probability Theory
- MAT 471 Senior Seminar
- MAT 499 Senior Competency Practicum
- PDP 200 Preparing for Your Internship
- PDP 330 Big Data and the Professional Workplace

One of the following internships

- INT 261 Computing/Math/Statistics Internship

Quantitative Analysis Program – one of the following courses

- MAT 256 Differential Equations
- MAT 300 Topics in Mathematics
- MAT 345 Statistical Consulting Project
- MAT 352 Financial Mathematics
- MAT 367 Introduction to Real Analysis

Computer Modeling Requirements

- CMP 130 Introduction to Computing
- CMP 141 Python for Computing and Data Science I
- CMP 150 Computer Tools for Problem Solving
- CMP 360 Operations Research

Economics, Business, and Accounting Requirements

- ACC 221 Principles of Accounting I
- ECO 115 Principles of Economics
One of the following options

**Economics Option**
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics
- ECO 380 Econometrics

**Plus two of the following courses**
- ECO 330 Money and Banking
- ECO 350 International Business & Finance
- ECO 360 Labor Economics and Management

**Finance Option**
- ACC 222 Principles of Accounting II
- BUS 351 Business Finance
- BUS 352 Investments

**Plus one of the following courses**
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics

**Plus one of the following courses**
- BUS 353 Principles of Risk and Insurance
- ECO 330 Money and Banking

**Marketing Option**
- ACC 222 Principles of Accounting II
- BUS 361 Contemporary Marketing
- BUS 362 Consumer Behavior

**Plus one of the following courses**
- ECO 221 Intermediate Microeconomics
- ECO 223 Intermediate Macroeconomics

**Plus one of the following courses**
- ECO 380 Econometrics
- PSY 320 Social Psychology

**Data Science Major**
Please see separate Data Science section in this course catalog.
Cooperative Program in Engineering (Computer, Electrical, and Mechanical Engineering)
Franklin College maintains a cooperative “3+2” program in engineering with the Purdue School of Engineering and Technology at IUPUI. Students in this program will earn a Bachelor of Arts degree in Applied Mathematics at Franklin College, and then a Bachelor of Science degree in Computer Engineering, Electrical Engineering, or Mechanical Engineering through the Purdue School of Engineering and Technology at IUPUI.

Students opting to pursue the degree programs in Computer, Electrical, or Mechanical Engineering will major in Applied Mathematics at Franklin College and follow the Applied Mathematics course of study given above. Some course substitutions and choices of electives are necessary to complete the engineering portion of the program; details of these and other aspects of the cooperative program can be found in the Engineering section of the catalog.

Mathematics Minor
A minor which provides a broad overview of some of the primary areas of study in mathematics.

Core Requirements
- MAT 135 Calculus
- MAT 140 Introduction to the Mathematical Sciences
- MAT 142 Calculus II
- MAT 181 Discrete Mathematics I

Two of the following courses
- MAT 182 Discrete Mathematics II
- MAT 224 Basic Applied Statistics
- MAT 233 Linear Algebra
- MAT 253 Calculus III
- MAT 256 Differential Equations
- MAT 300 Topics in Mathematics
- MAT 323 Mathematics for Elementary Teaching I
- MAT 324 Mathematics for Elementary Teaching II
- MAT 343 Probability Theory
- MAT 345 Statistical Consulting Project
- MAT 361 Modern Algebra
- MAT 363 Topics in Geometry
- MAT 367 Introduction to Real Analysis

Quantitative Methods Minor
A minor geared toward students majoring in the social sciences or humanities. Students majoring in mathematics or computer science may not elect this minor.

The following course
- MAT 224 Basic Applied Statistics

Twelve credit hours from the following courses
- CMP 130 Introduction to Computing or CMP 141 Python for Computing and Data Science I
- CMP 150 Computer Tools for Problem Solving
- CMP 360 Operations Research
- ECO 380 Econometrics
- LA 103 Quantitative Reasoning OR MAT 131 Introduction to Quantitative Analysis
MAT 135 Calculus
MAT 181 Discrete Mathematics I
MAT 182 Discrete Mathematics II
MAT 233 Linear Algebra
MAT 300 Topics in Mathematics
MAT 345 Statistical Consulting Project
PDP 330 Big Data and the Professional Workplace

Data Science Minor
Please see separate Data Science section in this course catalog.
## Mathematics Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 115</td>
<td>Math Study Center Theory and Practice</td>
<td>1</td>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course will prepare students to work as</td>
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<tr>
<td></td>
<td>associates in the Math Study Center. It will</td>
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<tr>
<td></td>
<td>include readings and discussion on the</td>
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<td></td>
<td>fundamentals of tutoring mathematics, mock</td>
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<tr>
<td></td>
<td>tutoring sessions, and discussion on tutoring</td>
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<td></td>
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<tr>
<td></td>
<td>theory and practice. Required for all new Math</td>
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<tr>
<td></td>
<td>Study Center associates.</td>
<td></td>
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</tr>
<tr>
<td>MAT 131</td>
<td>Introduction to Quantitative Analysis</td>
<td>3</td>
<td>Fall and spring</td>
<td>Note: Placement into LA 103 based upon mathematics placement criteria</td>
</tr>
<tr>
<td></td>
<td>This course is designed for students who either</td>
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<tr>
<td></td>
<td>intend to enroll in MAT 135 or MAT 181 in a</td>
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<tr>
<td></td>
<td>subsequent semester or who intend to pursue a</td>
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<tr>
<td></td>
<td>degree in economics, business, or accounting.</td>
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<td></td>
<td>Students will study families of functions and</td>
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<td></td>
<td>learn how to use them to solve real-world</td>
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<td></td>
<td>problems. The course will include the</td>
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<td></td>
<td>mathematics of finance, systems of linear</td>
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<td></td>
<td>equations and inequalities, logic, sets, and</td>
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<td></td>
<td>probability. These mathematics skills are</td>
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<td></td>
<td>essential to the areas of economics, business,</td>
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<tr>
<td></td>
<td>accounting, and computing. The course will</td>
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<tr>
<td></td>
<td>finish with an introduction to limits and</td>
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<tr>
<td></td>
<td>derivatives of a function. Students wishing to</td>
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<tr>
<td></td>
<td>pursue an Economics, Business, or Accounting</td>
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<tr>
<td></td>
<td>degree with prior credit for MAT 135 or MAT</td>
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<tr>
<td></td>
<td>181 must pass a financial mathematics competency</td>
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<tr>
<td></td>
<td>exam, earning a C- (68%) or better, for the MAT</td>
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<td></td>
<td>131 requirement to be waived.</td>
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<td></td>
<td>*Note: This course does not satisfy the liberal</td>
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<tr>
<td></td>
<td>arts mathematics requirement.</td>
<td></td>
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</tr>
<tr>
<td>MAT 135</td>
<td>Calculus</td>
<td>4</td>
<td>Fall and spring</td>
<td>Fulfills LA 103 requirement</td>
</tr>
<tr>
<td></td>
<td>The concept of differentiation is developed</td>
<td></td>
<td></td>
<td>Note: MAT 131 or placement into MAT 135 based upon mathematics placement</td>
</tr>
<tr>
<td></td>
<td>using limits and focusing on algebraic,</td>
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<td>criteria</td>
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<tr>
<td></td>
<td>exponential, and logarithmic functions.</td>
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<tr>
<td></td>
<td>Applications of derivatives in the sciences and</td>
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<td></td>
<td>economics are presented, and an introduction to</td>
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<td></td>
<td>integration concludes the course. The</td>
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<td></td>
<td>mathematics is presented from analytical,</td>
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<tr>
<td></td>
<td>graphical, and numerical perspectives, with</td>
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<tr>
<td></td>
<td>extensive use of technology.</td>
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</tr>
<tr>
<td>MAT 140</td>
<td>Introduction to the Mathematical Sciences</td>
<td>1</td>
<td>Fall</td>
<td>Prereq or coreq: MAT 135</td>
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<tr>
<td></td>
<td>An introduction to mathematical processes,</td>
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<td></td>
<td>methods of problem solving, topics of current</td>
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<td></td>
<td>interest in mathematics, and the role of</td>
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<tr>
<td></td>
<td>mathematics in the workplace. Some topics will</td>
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<tr>
<td></td>
<td>extend and supplement the content of MAT 135</td>
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<tr>
<td></td>
<td>Calculus</td>
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</tr>
<tr>
<td>MAT 142</td>
<td>Calculus II</td>
<td>4</td>
<td>Spring</td>
<td>Prereq: MAT 135 and MAT 140 or consent of instructor</td>
</tr>
<tr>
<td></td>
<td>A continuation of MAT 135. Course material</td>
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<tr>
<td></td>
<td>includes the rotation of functions in</td>
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<tr>
<td></td>
<td>three-dimensional space, applications and</td>
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<td></td>
<td>techniques of integration, the convergence and</td>
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<td></td>
<td>divergence of sequences and series, and</td>
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<tr>
<td></td>
<td>parameterization.</td>
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</tbody>
</table>
### MAT 181 Discrete Mathematics I

<table>
<thead>
<tr>
<th>Fall</th>
<th>Fulfills LA 103 requirement</th>
</tr>
</thead>
</table>

Note: MAT 131 or MAT 224 or placement into MAT 135 based upon mathematics placement criteria

This course provides a foundation for the study of discrete (finite) structures. The course focuses heavily on proof techniques and style, including proof by contradiction and proof by contraposition. Boolean algebra and propositional logic make up a large portion of the semester. Additional topics include introductory set theory, methods of counting, and basic probability, including the ideas of expected value and variance. There is also heavy emphasis on the use of typesetting technology, making this course attractive for those considering graduate school in mathematics, computing or the natural sciences.

### MAT 182 Discrete Mathematics II

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
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</thead>
</table>

Prereq: MAT 181

This course continues, using the content of MAT 181, to delve into discrete topics. Proof by induction is introduced and used throughout the semester. Other topics include properties of the integers, modular arithmetic, relations, and discrete structures, including graphs and trees.

### MAT 224 Basic Applied Statistics

<table>
<thead>
<tr>
<th>Fall and Spring</th>
<th>Fulfills LA 103 requirement</th>
</tr>
</thead>
</table>

Prereq: one of the following: CMP 130, LA 103, MAT 131, MAT 135, MAT 181, or placement in MAT 135/181

An introduction to statistical reasoning for the natural and social sciences using the computer as a tool to analyze data. Probability concepts, sampling theory, hypothesis testing, estimation, chi-square, t-test, analysis of variance, correlation and regression, and some non-parametric tests are included. Minitab or another statistical package will be used. Same as SOC 224. Students cannot receive credit for both.

### MAT 233 Linear Algebra

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
</table>

Prereq: MAT 142 or MAT 181

Prereq or coreq: CMP 150 or consent of instructor

The study of systems of linear equations: the determination of whether a system has no, one, or infinitely many solutions and the techniques for obtaining such solutions. The topics include Gaussian elimination, linear independence, matrix algebra, determinants, vector spaces, linear transformations and their matrix representations, spanning sets and bases, rank, eigenvalues and eigenvectors, and orthogonality and least squares. Incorporates use of Matlab software. The course also includes the development and explanation of applications of those concepts and a study of the role of proof in linear algebra with emphasis on reading and writing proofs and using mathematical results to draw conclusions.

### MAT 253 Calculus III

<table>
<thead>
<tr>
<th>Fall</th>
<th></th>
</tr>
</thead>
</table>

Prereq: MAT 142 and CMP 150 or consent of instructor

Multidimensional calculus. Vectors, partial derivatives, multiple integrals, alternative coordinate systems, vector fields and line and flux integrals, with applications to volumes, optimization, and motion. Incorporates use of computer algebra system for graphics display and symbolic manipulation. Includes topics in analytic geometry.

### MAT 256 Differential Equations

<table>
<thead>
<tr>
<th>Spring, odd academic years</th>
<th></th>
</tr>
</thead>
</table>

Prereq: MAT 142

A study of ordinary differential equations, their applications, and selected methods of solutions both in closed form and by numerical methods. Includes qualitative methods and use of computer technology.
MAT 300 Topics in Mathematics  
3 credit hours  
Spring, even academic years  
Prereq: MAT 142 and MAT 181 or consent of instructor  
A topic of current interest in mathematics will be taught. Topics will vary depending on faculty interest.

MAT 323 Mathematics for Elementary Teaching I  
2 credit hours  
Fall, junior year  
Prereq: LA 103; Coreq: EDE 336, EDE 344, EDE 365 & EFE 384; Additional prereq: 2.50 GPA & admission to the teacher education program  
This course is the first foundational course in the mathematics content area for elementary education majors. It includes problem solving, sets, functions, exploration of our number system including properties, place value, basic operations and algorithms, and basic concepts of algebra. Problem solving is stressed in each unit. The NCTM Principles and Standards and Indiana’s Academic Standards for Mathematics are introduced.

MAT 324 Mathematics for Elementary Teaching II  
2 credit hours  
Spring, junior year  
Prereq: MAT 323; Coreq: EDE 337, EDE 345, EDE 366 & EFE 385; Additional prereq: 2.50 GPA & admission to the teacher education program  
This course is the second foundational course in the mathematics content area for elementary education majors. It includes exploration of our number system including properties, basic operations and algorithms, probability, statistics, measurement, coordinate geometry, graphs, and 2- and 3-dimensional geometry. Problem solving is stressed in each unit. The NCTM Principles and Standards and Indiana’s Academic Standards for Mathematics are introduced.

MAT 343 Probability Theory  
3 credit hours  
Spring  
Prereq: CMP 150, MAT 142, & MAT 181  
An introduction to probability theory, the part of mathematics that studies random phenomena. We model simple random experiments mathematically and learn techniques for studying these models. Topics covered include a review of combinatorics, axioms of probability, discrete and continuous random variables, common probability distributions, expectations, moment generating functions, conditional probability and conditional expectations, multivariate distributions, covariance, laws of large numbers, and the central limit theorem.

MAT 344 Mathematical Statistics  
3 credit hours  
Fall, odd academic years  
Prereq: MAT 224 & MAT 343  
A calculus-based course that examines the theoretical foundations of sampling and statistical inference, together with their applications to real-life data. Topics will include sampling theory, properties of estimators, confidence intervals, hypothesis testing, and nonparametric tests. Regression analysis will be covered in-depth. The statistical package R will be used to analyze data sets.

MAT 345 Statistical Consulting Project  
3 credit hours  
Spring, odd academic years  
Prereq: MAT/SOC 224 or MAT 331  
Each student will work as part of a team to complete a statistical consulting project for a local non-profit agency or other appropriate organization. Special emphasis will be given to the development of skills in project management and consulting. Projects will be chosen to require the use of important statistical concepts such as experimental design, survey design, or regression analysis. Recommended especially for majors in the social sciences who are intending to go to graduate school or for those aiming for careers involving statistical applications. Same as ECO/PSY/SOC 345. Students may receive credit in only one of these cross-referenced courses.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
<th>Time Frame</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 352</td>
<td>Financial Mathematics</td>
<td>3</td>
<td>Fall, even academic years</td>
<td>Prereq: MAT 142 &amp; MAT 182</td>
</tr>
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<td></td>
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<td></td>
<td>A calculus-based course that provides an introduction to the fundamental concepts of financial mathematics and how those concepts are applied in calculating present and accumulated values for various streams of cash flows. Major topics will include the mathematical foundations of interest rate measurement, annuities, loans, bonds, general cash flows, immunization, interest rate swaps, and determinants of interest rates. The topics in this course serve as the foundation for the second actuarial exam, Exam 2/FM Financial Mathematics.</td>
</tr>
<tr>
<td></td>
<td>MAT 361 Modern Algebra</td>
<td>3</td>
<td>Fall, odd academic years</td>
<td>Prereq: MAT 142, MAT 182 &amp; CMP 150 or consent of instructor</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Overview of the concepts and applications of algebraic structures. Major topics include basic number theory and modular arithmetic; groups, subgroups and cyclic groups; permutations and dihedral groups; and isomorphisms and homomorphisms. In addition, applications to cryptography and the encoding, transmission, and error-correction of data are also examined.</td>
</tr>
<tr>
<td></td>
<td>MAT 363 Topics in Geometry</td>
<td>3</td>
<td>On demand</td>
<td>Prereq: MAT 142, MAT 182 &amp; CMP 150 or consent of instructor</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>An introduction to modern geometric concepts, including foundations of geometry and non-Euclidean geometry. Incorporates use of computer software to illustrate and explore geometric concepts.</td>
</tr>
<tr>
<td></td>
<td>MAT 367 Introduction to Real Analysis</td>
<td>3</td>
<td>Fall, even academic years</td>
<td>Prereq: MAT 142, MAT 182 &amp; CMP 150 or consent of instructor</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>An introduction to the theory of functions of a real variable, including limits, continuity, derivatives, integration theory, and sequences and series.</td>
</tr>
<tr>
<td></td>
<td>MAT 450 Guided Independent Research in Mathematics</td>
<td>1</td>
<td>On demand</td>
<td>Prereq: senior standing or consent of instructor</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>A semester-long research experience in a mathematical topic of interest. Students will attend an intensive short course held during the first three weeks of the semester and then work with the instructor to develop questions for mathematical investigation. Students then investigate their questions throughout the semester utilizing appropriate mathematical research and problem-solving techniques. Student work will culminate in a public presentation of their research. Students may receive credit for this course through departmentally-approved activities such as participation in REU programs, although all students must participate in the public presentations. Offered only upon demonstration of sufficient demand and with approval of the Vice President of Academic Affairs.</td>
</tr>
<tr>
<td></td>
<td>MAT 471 Senior Seminar</td>
<td>3</td>
<td>Fall</td>
<td>Prereq: senior standing &amp; departmental consent; Coreq: MAT 499</td>
</tr>
<tr>
<td></td>
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<td>A capstone course focusing on a re-examination of major mathematical concepts and their relationships and development. A study of the history and philosophy of mathematics establishes a frame within which students prepare for the senior competency exam. Emphasizes individual and team student presentations. Satisfies the senior year portfolio requirements for graduation.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Prerequisites</td>
<td></td>
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</tr>
<tr>
<td>MAT 482</td>
<td>Mathematics Practicum</td>
<td>1-2</td>
<td>A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.</td>
<td></td>
</tr>
<tr>
<td>MAT 490</td>
<td>Independent Study</td>
<td>1-2</td>
<td>Prereq: departmental consent</td>
<td></td>
</tr>
<tr>
<td>MAT 499</td>
<td>Senior Competency Practicum</td>
<td>No</td>
<td>Coreq: MAT 471</td>
<td></td>
</tr>
<tr>
<td>PDP 330</td>
<td>Big Data and the Professional Workplace</td>
<td>3</td>
<td>Prereq: CMP/DAT 141 or CMP 150, PDP 200 &amp; MAT/SOC 224</td>
<td></td>
</tr>
<tr>
<td>SNT 489 (MAT)</td>
<td>Professional Development Internship in Math</td>
<td>7-10</td>
<td>Prereq: Senior standing or permission of instructor</td>
<td></td>
</tr>
</tbody>
</table>

A semester-long internship requiring 20-30 hours per week on-site under the supervision of a practicing professional and a member of the mathematics faculty. Each student will be responsible to ensure that required reports and other submissions are completed by the scheduled dates. Grading will be on a pass-fail basis.
Medical Technology

Pre-Medical Technology Advisor: A. Thapaliya, athapaliya@franklincollege.edu

Adjunct Faculty: Carla Clem, M.S., MT(ASCP)SH^CM, Program Director, IU Health Methodist Hospital; DeAnne Maxwell, MLS(ASCP)CM, Program Director, CLS, Franciscan St. Francis Health

Franklin College maintains affiliations with the Schools of Medical Technology at IU Health Methodist Hospital and Franciscan St. Francis Health, both in Indianapolis, Indiana. Upon successful completion of a minimum of 90 semester hours (three years) of baccalaureate instruction at Franklin College and the 12-month professional course in medical technology/clinical laboratory science at IU Health or St. Francis, the student is then eligible to receive the baccalaureate degree from Franklin College and a certificate of completion from the IU Health or St. Francis program.

The medical technology courses which can constitute the fourth year in the three plus one program are:

**At IU Health**
- Clinical Chemistry (8 hours)
- Clinical Hematology (7 hours)
- Clinical Immunohematology (4 hours)
- Clinical Microbiology (8 hours)
- Education/Management/Research (2 hours)
- Serology/Virology (2 hours)
- Urinalysis (1 hour)

**At Franciscan St. Francis Health**
- Laboratory Skills (4 hours)
- Chemistry (4 hours)
- Hematology (5 hours)
- Microbiology (5 hours)
- Immunology/Serology (2 hours)
- Clinical microscopy (2 hours)
- Immunohematology (4 hours)
- Clinical Practicum (6 hours)

Both programs include student laboratory and clinical rotation phases.

Students interested in this three-year-plus-one-year program should carefully plan Franklin College course selections after consultation with the faculty health professions advising committee.

The criteria utilized by the hospitals to select students for admission to the program include the following:
1. Science and cumulative grade point accumulative average of 2.70 (A= 4.00) or better.
2. Letters of recommendation. (see application packets for exact details)
3. Successful completion of the academic prerequisites listed below with a minimum grade of C-.
4. Completed application form.
5. Personal interview.

The application to the IU Health or the Franciscan St. Francis Health program must be completed by December 1st each year for the program which begins the following summer. Personal interviews must be completed between Oct. 1 and Dec. 15. (Schedule interview appointments prior to Dec. 1.) IU Health and Franciscan St. Francis Health participate, along with all of the medical technology programs in Indiana, in a student-school matching program. This matching program is a free service to the applicant. Application forms will be given out and explained during the interview.

Upon successful completion of the program at either hospital, the graduate will then be eligible to take the Board of Certification examination given by the American Society for Clinical Pathology (ASCP) to become certified as a Medical Laboratory Scientist (MLS).

**Academic prerequisites for the medical technology program**
Biological Science: 16 semester hours, including BIO 134, 140, and 373

Chemistry: 16 semester hours, including CHE 121, 122, 123, 124, 221, 223, and 334

Mathematics: MAT 135 or MAT 224

The minimum total of 90 semester hours required for admission to the IU Health and St. Francis programs must include all graduation requirements at Franklin College: a departmental major, six immersive term hours, and the liberal arts program requirements. Successful completion of the clinical year satisfies the required internship or senior year experience for the Biology or Chemistry major.

Tuition and fees for the professional program are handled through the tuition plan at Franklin College. The tuition charged for the hospital portion of the program will be based on the hospital’s contract for fees with the college.

For additional information about this program or about other medical technology programs, students should consult with the Pre-Medical Technology advisor at Franklin College.
Military Science  
Reserve Officer Training Corps (ROTC)  
Indiana University-Purdue University at Indianapolis

Through a partnership program with Indiana University-Purdue University at Indianapolis (IUPUI), Franklin College students may participate in a ROTC program which leads to a commission in the U. S. Army, the Army Reserves, or the Army National Guard. All classes are held on the IUPUI campus.

ROTC enhances a student’s education by providing unique leadership and management experiences found in few college courses. Instruction in these courses encourages the development of resource management skills, self-assurance, confidence, personal discipline, executive abilities, personal responsibility, and professional ethics, as well as physical stamina, bearing, and other fundamental qualities required of an Army officer. These same qualities acquired while participating in the ROTC program will enhance any civilian career.

Army ROTC is a collection of college electives and a summer training program. When a cadet completes the electives, the summer program and earns a Bachelor’s degree, that cadet earns a commission in the U. S. Army, the Army Reserves, or the Army National Guard.

Credit Transfer to Franklin College  
Credit earned at IUPUI through ROTC is transferable to Franklin College and will count as credit outside the major field for graduation. For information on how to receive transfer credit at Franklin College for completion of this program, please see the Assistant Registrar in the Academic Records Office.

Admission Requirements  
The ROTC Basic Course is open to Franklin College students without any prerequisites or allied requirements. Students who are not U. S. citizens must check with the Department of Military Science administrative office at IUPUI prior to course attendance to ensure they have the proper permission from their home country’s embassy for military training.

Basic and Advanced Courses  
Basic Courses are open to all students at any academic level but are normally taken during the first and sophomore years. Advanced courses are taken during the student’s junior and senior years and require a military commitment.

Course Descriptions  
For complete information on the courses, requirements and obligations please visit the IUPUI website at http://www.iupui.edu/~armyrotc/.
Multimedia Journalism &
Pulliam School of Journalism

**Director:** J. Krull  
**Department Chair:** J. Cramer  
**Faculty:** J. Cramer, J. Krull

**Major:** Multimedia Journalism  
**Minors:** Multimedia Journalism, Rhetoric, Visual Communications

The Pulliam School of Journalism prepares students for careers in which news is delivered through multiple media platforms: online, on-air, in print. Through classroom, lab and professional field experiences, students are engaged and immersed in the exhilarating practice of news reporting. The multimedia focus of the major means that students become proficient in reporting, writing, editing and producing accurate, ethical and meaningful stories for print, broadcast and, especially, online/digital news outlets.

**Major and Minor Requirements**  
All courses for the major, minor and endorsements must be completed with a grade of C- or better. A grade of C- or better is required for all pre-requisite courses regardless of academic major.
Multimedia Journalism Major

Core Requirements

- MMJ 115 Reporting, Interviewing and Newswriting
- MMJ 135 Editing for Print and Online
- MMJ 150 Introduction to Digital Photography and Audio Reporting
- MMJ 155 Video for Digital Journalism I
- MMJ 180 Publication Design
- MMJ 255 Video for Digital Journalism II
- MMJ 445 Communication Law in a Digital World

Immersion Experience

This immersive semester-long experience (during which students take only immersion experience courses) will focus on developing students’ storytelling skills. Students will work across media platforms and may be published by professional news operations. This experience will be enhanced by detailed instruction in multimedia storytelling techniques and classroom exploration of contemporary political or public policy issues. Students must have completed successfully MMJ 115, MMJ 120, MMJ 135, MMJ 150, MMJ 155, MMJ 255, and INT 119 before registering for the Immersion Experience. Additionally, there is a Political Science prerequisite (POL 110, POL 225, or POL 234). This experience includes the following courses, which are co-requisites and must be taken concurrently:

- INT 200 Multimedia Internship (6 hours)
- MMJ 210 Advanced Reporting and Database Research to Immersion (6 hours)

Professional Development

- MMJ 120 Ethics and Professional Development
- MMJ 498 Multimedia Portfolio
- MMJ 499 Multimedia Storytelling Senior Project

Activity Credits

All MMJ majors must participate and earn credit for at least THREE multimedia journalism activity experiences such as:

- MMJ 001 Student Media
- MMJ 002 Statehouse File
- MMJ 004 Radio Station
- MMJ 005 TV News
- MMJ 007 Media Manager

Related Field Requirements

Twelve semester hours from ONE field outside MMJ. All courses used to satisfy the related field requirement must be completed with a grade of C- or better.
Multimedia Journalism Minor (except for Public Relations majors)

Required Courses

- MMJ 115 Multimedia Reporting and Interviewing
- MMJ 120 Ethics and Professional Development
- MMJ 135 Editing for Print and Online
- MMJ 150 Introduction to Digital Photography and Audio Reporting
- MMJ 155 Video for Digital Journalism I
- MMJ 180 Publication Design
- MMJ 445 Communication Law in a Digital World

Multimedia Journalism Minor (for Public Relations majors)

A minimum of 16 hours in any combination of the following courses*

- MMJ 001 Student Media**
- MMJ 002 Statehouse File**
- MMJ 004 Radio Station**
- MMJ 005 TV News**
- MMJ 007 Media Manager**
- MMJ 115 Multimedia Reporting and Interviewing
- MMJ 135 Editing for Print and Online
- MMJ/SPR 255 Video for Digital Journalism II
- SPR 200 Game Coverage
- SPR 301 Covering Economics and Public Policy in Sports
- SPR 302 Covering Lifestyle and Outdoor Sports
- SPR 303 Sports Information and Public Relations

*All pre-requisites for courses must be met as listed in the catalog description for each course. Courses required for the public relations major cannot be double-counted as courses for a minor in multimedia journalism. A minimum grade of C- is required in all courses counted toward the minor.

**Only one-time successful activity course completion can be counted toward the multimedia journalism minor for public relations majors, no repeat credit for an individual course.

Public Relations Minor (for Multimedia Journalism majors)

Required Courses

- PRL 221 Public Relations Practice Areas
- PRL 222 Social Media Strategy and Tactics
- PRL 333 Public Relations Writing
- PRL 334 Learning Engagement with Public Relations Professionals
- BUS 101 Introduction to the Business Mindset
- SOC 230 Introduction to Nonprofits
**Rhetoric Minor** (for multimedia journalism majors)

**Required Courses**
- ENG 227 The English Language
- ENG 228 Advanced Composition
- PHL 210 Logic

**Two of the following courses**
- CWR 150 Introduction to Creative Writing
- ENG 200 Introduction to Literary Studies
- PHL 340 Advanced Logic

**Visual Communications Minor**

**Required Courses**
- ART 130 Color and Design
- ART 140 Graphic Design I
- ART 190 Digital Fine Art Photography I
- ART 240 Graphic Design II
- MMJ 150 Introduction to Digital Photography and Audio Reporting
- MMJ 155 Video for Digital Journalism I
### Multimedia Journalism Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMJ 001</td>
<td>Student Media</td>
<td>1</td>
<td>Fall and Spring</td>
<td>Students will work on refining their reporting, writing and editing skills by working across media platforms for media that make use of print, audio, video and current industry software.</td>
</tr>
<tr>
<td>MMJ 002</td>
<td>Statehouse File</td>
<td>1</td>
<td>Fall, Spring, and Summer</td>
<td>Students refine their reporting, writing, and editing skills by working across media platforms that make use of print, audio, video and current industry software. Work will appear on the Franklin College Statehouse Bureau website, <a href="http://www.thestatehousefile.com">www.thestatehousefile.com</a> and with the bureau’s news partners.</td>
</tr>
<tr>
<td>MMJ 004</td>
<td>Radio Station</td>
<td>1</td>
<td>Fall and Spring</td>
<td>Laboratory course in radio station procedures, operations, and on-air broadcasting on WFCI-FM.</td>
</tr>
<tr>
<td>MMJ 005</td>
<td>TV News</td>
<td>1</td>
<td>Fall and Spring</td>
<td>Laboratory course in video production. Students may work on The Statehouse File newscast or other video productions as approved by the course instructor.</td>
</tr>
<tr>
<td>MMJ 007</td>
<td>Media Manager</td>
<td>2</td>
<td>Fall and Spring</td>
<td>All student media managers must enroll in MMJ 007 in the semester(s) during which they manage a student media outlet.</td>
</tr>
<tr>
<td>MMJ 115</td>
<td>Reporting, Interviewing, and Newswriting</td>
<td>3</td>
<td>Fall and Spring</td>
<td>This course will focus on the processes of news and information gathering making use of different media platforms. Students will learn the techniques of interviewing and will learn to challenge the information they gather. The emphasis will be on developing reporting skills so students can gather accurate information. Same as SPR 115.</td>
</tr>
<tr>
<td>MMJ 120</td>
<td>Ethics and Professional Development</td>
<td>2</td>
<td>Fall and Spring</td>
<td>An introduction to basic aspects of professionalism required of multimedia journalists and public relations professionals. Course emphases are on professional ethics codes of journalism and public relations with an examination of case studies; basic concepts and terminology of journalism; business etiquette; multimedia and public relations career options; basics of Associated Press style; resume and cover letter preparation; and internship preparation. Same as PRL/SPR 120.</td>
</tr>
<tr>
<td>MMJ 135</td>
<td>Editing for Print and Online</td>
<td>3</td>
<td>Fall and Spring</td>
<td>This course introduces students to copyediting, self-editing and fact-checking skills needed to publish stories for the Web, broadcast and print. Same as SPR 135.</td>
</tr>
</tbody>
</table>
**MMJ 150 Introduction to Digital Photography and Audio Reporting**  
3 credit hours  
Fall and Spring  
The course will introduce students to the basic principles of digital photojournalism and video technologies. Students will be introduced to digital cameras, the basics of editing still photographs and the basics of audio reporting. Students will be required to create content using appropriate technology and prepare stories for distribution across multiple platforms. Same as PRL/SPR 150.

**MMJ 155 Video for Digital Journalism I**  
3 credit hours  
Fall and Spring  
Prereq: MMJ/PRL 150 or consent of instructor  
The course will focus on the practices and principles of shooting, editing and distributing video for multiple platforms. Topics include: shooting with DSLR cameras and dedicated video cameras; preproduction planning; lighting principles; audio for video, editing video and distributing digital stories through multiple platforms. Same as PRL/SPR 155.

**MMJ 180 Publication Design**  
3 credit hours  
Fall and Spring  
This course will focus on fundamentals of typography including theory and practice in visual communication. By exploring typography, photography, layout, grids, and the principles of contrast, repetition, alignment, proximity, and hierarchy, students will create ethical, compelling, and effective two-dimensional designs. Through lectures, projects, and classroom critiques, the focus is on designing publications, information graphics and interactivity. Proficiency in Adobe InDesign and Illustrator required or willingness to learn through online tutorials. Same as PRL/SPR 180.

**MMJ 210 Advanced Reporting & Database Research to Immersion**  
6 credit hours  
Fall and Spring  
Prereq: INT 119, MMJ 115, MMJ 120, MMJ 135, MMJ 150, MMJ 155, MMJ 255, & either POL 110, POL 225, POL 234  
Coreq: INT 200  
This course is required as part of the Immersion Experience as students learn to apply the lessons of the classroom to the reporting environment in a professionally-run news bureau located at the Indiana Statehouse. Students will develop their storytelling skills in multi-media formats as they build on their reporting, interviewing and writing skills to explore issues with more depth and range. Central to the course is learning to compile, analyze and use data from a variety of sources in the storytelling process. The students’ work will be published or presented across media platforms through www.thestatehousefile.com and its newsgathering partners. Course prerequisites are listed in the Immersion experience prerequisites.

**MMJ 255 Video for Digital Journalism II**  
3 credit hours  
Fall and Spring  
Prereq: MMJ/PRL 155 or consent of instructor  
Designed to introduce broadcast writing and to enhance opportunities to develop broadcast-style shooting and editing skills. This course adds onto the video skills learned in Video for Digital Journalism I. Students will learn to shoot voice overs, voice overs with sound bites and full packages suitable for broadcast featuring news and sports content. Students will also learn to produce scripts for broadcast delivery, as well as the process of creating newscast/sportscast rundowns. Video studio techniques and procedures will be taught in the PSJ video lab. Distribution of individual stories via social media will be required. Same as SPR 255.
MMJ 300 Topics in Multimedia News
A topic of current interest in multimedia news will be taught. Topics will vary depending on faculty and student interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.

MMJ 380 Practicum
Experience on campus in areas directly related to the media; internships or off-campus on-the-job training. Open only to sophomores, juniors, and seniors.

MMJ 445 Communication Law in a Digital World
Students will be introduced to First Amendment law as it relates to professional communicators. Topics will include First Amendment theory, libel law, invasion of privacy law, copyright law, news-gathering rights, public relations law and advertising law. Same as PRL/SPR 445.

MMJ 490 Independent Study
Course is designed to encourage student initiative and to provide a degree of flexibility in the departmental program.

MMJ 498 Multimedia Portfolio
Each student must develop a digital portfolio containing a significant and appropriate body of work that, by the time of graduation, demonstrates to a potential employer that the student is ready to make the transition to the professional workplace. Each portfolio also must demonstrate the student’s understanding of linkages among leadership, the liberal arts, and the student’s intended career. The specific format and content of the portfolio is determined by the faculty. Students must enroll in MMJ 498 in fall or spring semester of the senior year. Portfolios will receive either a passing or failing grade by the Pulliam School of Journalism faculty. Deficiencies must be corrected before the portfolio is certified as passing.

MMJ 499 Multimedia Storytelling Senior Project
Students will demonstrate and showcase the skills they have acquired through their careers at the Pulliam School of Journalism by creating an in-depth package of stories about a significant public issue that is told from multiple media platforms. In addition to the multimedia journalism skills that must be demonstrated to successfully complete this graduation requirement, students will be expected to meet all deadlines, be quickly responsive to communications from staff/faculty project supervisors, and adhere to principles of media law and ethics.
Music

Department Chair: C. Hayes
Music Faculty: E. DeForest, C. Hayes, L. Honer, R. Jackson, J. Rice, J. Torres,

Major: Music
Minor: Music

The music program at Franklin College is dedicated to the cultivation of excellence in the areas of musical performance, pedagogy and scholarship. Through music theory, music history and literature courses, applied lessons, and ensemble participation, the music faculty aspires to develop student understanding of the complex systems of music, the contextual information regarding compositions, and the performance considerations inherent in each musical composition. Music students experience a variety of music at Franklin College through guest performances by music professionals, student recitals, master classes and seminars. A Franklin College student studying music is preparing for a life in music, whether as a vocation or an avocation, by further developing their musicianship and research skills.

All credit bearing music courses required of a music major or minor will receive A-F grading. All courses for music majors, minors, and endorsements must be completed with a C- or above. All prerequisites and related field courses must also be completed with a C- or above.
Music Major

Note: All prospective music majors must receive permission from the music faculty prior to formal declaration of the major. Transfer students will be asked to give a formal audition.

Also: All prospective music majors with prior piano experience may opt to take a piano placement examination to satisfy the requirements of MUS 180 and MUS 181. Regardless of placement, all music majors must pass MUS 112 prior to graduation.

Core Requirements
- MUS 110 Theory and Musicianship I
- MUS 111 Theory and Musicianship II
- MUS 115 Aural Skills I
- MUS 116 Aural Skills II
- MUS 112 Piano Proficiency Examination
- MUS 210 Theory and Musicianship III
- MUS 211 Theory and Musicianship IV
- MUS 215 Aural Skills III
- MUS 216 Aural Skills IV
- MUS 310 Conducting and Score Preparation
- MUS 330 Music History II
- MUS 331 Music History I
- MUS 499 Senior Competency Examination

Professional Development Requirements
- MUS 498 Senior Portfolio
- PDP 200 Preparing for Your Internship
- SNR/SNT 489 (MUS) Senior Recital

Ensemble Requirements – choose one performance area

Vocalists
- MUS 121 Franklin College Singers – 4 semesters
- MUS 122 Men’s Chorus or MUS 123 Women’s Chorus – 1 semester

Pianists
- MUS 121 FC Singers, MUS 124 FC Band or MUS 125 String Ensemble – 2 semesters
- MUS 122 Men’s Chorus or MUS 123 Women’s Chorus – 1 semester
- MUS 126 Piano Accompanying – 2 semesters

Other Instrumentalists
- MUS 124 FC Band or MUS 125 String Ensemble or MUS 127 Percussion Ensemble* – 4 semesters
  *At least one semester must be MUS 127 Percussion Ensemble
- MUS 121 FC Singers, MUS 122 Men’s Chorus or MUS 123 Women’s Chorus – 1 semester
Applied Study Requirements

MUS SEM Performance Seminar – every semester in applied study
MUS 180 Piano Class I – unless student passes placement exam*
MUS 181 Piano Class II – unless student passes placement exam*

*These courses are not required, but are available to prepare students to pass MUS 112

Literature and Pedagogy Requirements—Vocal and Piano Track*

MUS 343 Survey of Vocal and Choral Literature or MUS 353 Survey of Piano Literature
MUS 344 Vocal Pedagogy or MUS 354 Piano Pedagogy

*Students may substitute two alternative courses approved by departmental advisor.

Literature and Pedagogy Requirements—Instrumental Track

MUS 127 Percussion Ensemble (one semester)
MUS 321 Woodwind Methods and Pedagogy
MUS 322 String Methods and Pedagogy
MUS 323 Brass Methods and Pedagogy
MUS 328 Music Technology and Arranging
MUS 334 Survey of Band and Orchestra Literature

Related Field Requirements (These course requirements are waived if the student has a double major or a minor.)

One course with ART prefix
One course with THE prefix

Music Minor

NOTE: All prospective music minors with prior piano experience may opt to take a piano placement examination to satisfy the requirements of MUS 180 and MUS 181. Regardless of placement, all music minors must pass MUS 112 prior to graduation.

Core Requirements

MUS 110 Theory and Musicianship I
MUS 111 Theory and Musicianship II
MUS 115 Aural Skills I
MUS 116 Aural Skills II
MUS 112 Piano Proficiency Exam
MUS 330 Music History II
MUS 331 Music History I

One of the following courses

MUS 119 Introduction to Music
MUS 219 World Music
Ensemble Requirements - choose one performance area

Vocalists
- MUS 121 Franklin College Singers – two semesters
- MUS 122 Men’s Chorus or MUS 123 Women’s Chorus – two semesters

Pianists
- MUS 121 FC Singers, MUS 124 FC Band or MUS 125 String Ensemble – two semesters
- MUS 122 Men’s Chorus or MUS 123 Women’s Chorus – two semesters

Other Instrumentalists
- MUS 124 FC Band or MUS 125 String Ensemble – two semesters
- MUS 121 FC Singers, MUS 122 Men’s Chorus or MUS 123 Women’s Chorus – two semesters

Applied Study Requirements
- MUS SEM Performance Seminar – two semesters when registered for applied lessons
- MUS 180 Piano Class I – unless student passes placement exam*
- MUS 181 Piano Class II – unless student passes placement exam*

*These courses are not required, but are available to prepare students to pass MUS 112

One course with the ART or THE prefix
### Music Course Descriptions

<table>
<thead>
<tr>
<th>Private music lessons</th>
<th>1 credit hour-majors/.5 credit hour-non-majors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall and Spring</td>
<td></td>
</tr>
</tbody>
</table>

Instruction in voice, piano, guitar, woodwind, brass, percussion, and strings is offered on a private-lesson basis to all Franklin College students. There is an additional $250 fee assessed per credit each semester. This fee entitles the non-Music major to take 14 half-hour lessons, and the Music major to take 14 one-hour lessons. The student may register for private lessons in as many subsequent semesters as desired.

**MUS 101 Applied Voice - Majors --1 hr credit**
**MUS 101B Applied Voice - Non-Majors --.5 hr credit**

**MUS 102 Applied Piano - Majors --1 hr credit**
**MUS 102B Applied Piano - Non-Majors --.5 hr credit**

**MUS 103 Applied Guitar - Majors --1 hr credit**
**MUS 103B Applied Guitar - Non-Majors --.5 hr credit**

**MUS 104 Applied Woodwind - Majors --1 hr credit**
**MUS 104B Applied Woodwind - Non-Majors --.5 hr credit**

**MUS 105 Applied Brass - Majors --1 hr credit**
**MUS 105B Applied Brass - Non-Majors --.5 hr credit**

**MUS 106 Applied String - Majors --1 hr credit**
**MUS 106B Applied String - Non-Majors --.5 hr credit**

**MUS 107 Applied Percussion - Majors --1 hr credit**
**MUS 107B Applied Percussion - Non-Majors --.5 hr credit**

**MUS SEM Performance Seminar**
No credit
Fall and Spring

The Performance Seminar is a communal learning forum for all Franklin College music majors and music minors in applied lessons, as well as the music faculty. Other students in applied lessons are welcome to enroll as well. Each week, students will perform pieces they are studying in their applied lessons for the seminar in a Master Class setting. Members of the Franklin College music faculty will provide feedback to demonstrate tools for improving performance and technique. Participants in the seminar will offer additional suggestions and may ask questions that apply to their own repertoire. Guest musicians will attend a few seminars during the semester. In addition, seminar participants are required to attend all concerts sponsored by Franklin College during the semester. Graded on a pass/fail basis.

**MUS 011 Music Activity**
1 activity credit

Music ensemble activity, such as African Drumming Ensemble, Jazz Ensemble, Ukelele, and Franklin College Drumline.

**MUS 110 Theory and Musicianship I**
3 credit hours
Fall, even academic years

The study of theory and musicianship is designed to develop a student’s ability to think in musical sound. A student will learn to hear and write the patterns of music and to understand how music is organized. Theory involves the writing and analysis of music while musicianship involves the skills of ear training and sight singing.

**MUS 111 Theory and Musicianship II**
3 credit hours
Spring, even academic years
Prereq: Grade of C- or better in MUS 110 or equivalent

Theory and Musicianship II is the second semester of the three-semester course sequence that is designed to develop a student’s ability to think in musical sound. This course focuses on diatonic harmony. This course continues the student’s musical development in areas of writing and analyzing music and development of ear training and sight singing skills.
### MUS 112 Piano Proficiency Examination

| NOTE: All prospective music majors and minors must pass MUS 112 prior to graduation. |
| Successful completion of the piano proficiency examination is required of all music majors and minors. Students may be required to take MUS 180 and MUS 181 prior to the piano proficiency examination. |

<table>
<thead>
<tr>
<th>MUS 115 Aural Skills I</th>
<th>1 credit hour</th>
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</thead>
<tbody>
<tr>
<td>Fall, even academic years</td>
<td>Co-requisite: MUS 110</td>
</tr>
<tr>
<td>Aural Skills I is the introductory course of the four-semester Aural Skills sequence. Through this sequence, students will learn to sight-sing pitch and rhythm in various keys and modalities using solfege. Aural Skills I will focus on simple beat division and diatonic melodies and intervals. Fall even years. Co-requisite MUS 110.</td>
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<table>
<thead>
<tr>
<th>MUS 116 Aural Skills II</th>
<th>1 credit hour</th>
</tr>
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<tbody>
<tr>
<td>Spring, even academic years</td>
<td>Co-requisite: MUS 111</td>
</tr>
<tr>
<td>Aural Skills II is the second course of the four-semester Aural Skills sequence. Through this sequence, students will learn to sight-sing pitch and rhythm in various keys and modalities using solfege. Aural Skills II will focus on complex beat division and diatonic major and minor melodies and intervals. Spring even academic years. Corequisite MUS 111.</td>
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<table>
<thead>
<tr>
<th>MUS 119 Introduction to Music</th>
<th>4 credit hours</th>
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<tbody>
<tr>
<td>Fall and Spring</td>
<td>Creative Arts exploratory</td>
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<tr>
<td>This introductory course in music provides students with a fundamental understanding of how music is valued in societies, how the elements of music interrelate in musical compositions, and how musical style is recognized from various historical periods and different cultures. While students come to understand and appreciate diverse styles and genres of music they also develop active listening skills and increase their ability to articulate their musical preferences.</td>
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<table>
<thead>
<tr>
<th>MUS 121 Franklin College Singers</th>
<th>1 credit hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall and Spring</td>
<td>Fulfills Creative Arts exploratory if accumulated at least four credit hours between any combinations of MUS 121-125; 127</td>
</tr>
<tr>
<td>Franklin College Singers is a chamber ensemble that is committed to excellence in choral singing. The ensemble performs in concert on campus, at campus athletic events, in the Franklin community, and in area schools and churches. The Franklin College Singers uphold the mission statement of the college and strive to represent the vision of the college both on and off-campus. The high performance standards established by the conductor, upheld by the college, and inherent within the choral repertoire require individual dedication, time, and positive attitude. Graded.</td>
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<thead>
<tr>
<th>MUS 122 Men’s Chorus</th>
<th>1 credit hour</th>
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<tbody>
<tr>
<td>Fall and Spring</td>
<td>Fulfills Creative Arts exploratory if accumulated at least four credit hours between any combinations of MUS 121-125; 127</td>
</tr>
<tr>
<td>This non-auditioned choir is open to all men at Franklin College who enjoy singing. Rehearsals will address music reading skills and voice skills. The ensemble frequently performs for events on campus and in the greater community. Graded.</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>MUS 123</td>
<td>Women’s Chorus</td>
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<tr>
<td>MUS 124</td>
<td>Franklin College Band</td>
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<tr>
<td>MUS 125</td>
<td>String Ensemble</td>
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<tr>
<td>MUS 126</td>
<td>Piano Accompanying</td>
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<tr>
<td>MUS 127</td>
<td>Percussion Ensemble</td>
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</table>
This guitar class is intended as a one-semester introduction to playing popular songs. This will involve learning basic open chords (major, minor, dominant seventh) as well as their progressions and learning to read and play single notes on the sixth, fifth, and fourth strings. Students will also learn basic rhythmic values of notes. During the second seven weeks of the class, students will learn to play bar chords, read and play single notes on the third, second, and first strings, and learn about dotted and tied rhythms. This course is subject to the availability of a qualified instructor and sufficient enrollment.

This guitar class builds upon the skills learned in MUS 170. This course is intended for students who can comfortably play bar chords and have basic knowledge of the instrument. Students will learn how to play and build more advanced harmonies, gain basic knowledge of single line melodies and their improvisation, and start finger picking exercises for the right hand. This course is subject to the availability of a qualified instructor and sufficient enrollment.

Open to all students, this is a beginning level piano class. Students will learn how to play the piano and how to read musical notes and rhythms. Students will learn how to build and play chords. Music styles will include folk, patriotic, and holiday songs, and other familiar tunes. Piano technique will include scales and chord progressions. Class occurs in the electronic piano lab and students will have access to piano practice rooms during the week.

Open to all students, this is the second semester of beginning level piano for students who have taken MUS 180 or for students who have a little background in playing the piano. Students will continue with music reading, chord building, harmonizing melodies and improvising in addition to learning more songs. Class occurs in the electronic piano lab and students will have access to piano practice rooms during the week.

Theory and Musicianship III is the final semester of the three-semester course sequence that is designed to develop a student’s ability to think in musical sound. This course focuses on chromatic harmony, sight-singing, and macro & micro analysis.
### MUS 211 Theory and Musicianship IV

<table>
<thead>
<tr>
<th>Spring, odd academic years</th>
<th>3 credit hours</th>
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</thead>
<tbody>
<tr>
<td>Pre-req: Grade of C- or better in MUS 210</td>
<td>Co-requisite: MUS 210</td>
</tr>
</tbody>
</table>

Theory and Musicianship IV is the fourth semester of the four-semester course sequence that is designed to develop a student’s ability to think in musical sound. This course focuses on form and analysis.

### MUS 215 Aural Skills III

<table>
<thead>
<tr>
<th>Fall, odd academic years</th>
<th>1 credit hour</th>
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<tbody>
<tr>
<td>Co-requisite: MUS 210</td>
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</table>

Aural Skills III is the third course of the four-semester Aural Skills sequence. Through this sequence, students will learn to sight-sing pitch and rhythm in various keys and modalities using solfege. Aural Skills III will focus on chromaticism, hemiola, and uncommon time and rhythm. Fall odd years.

### MUS 216 Aural Skills IV

<table>
<thead>
<tr>
<th>Spring, odd academic years</th>
<th>1 credit hour</th>
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</thead>
<tbody>
<tr>
<td>Co-requisite: MUS 211</td>
<td></td>
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</tbody>
</table>

Aural Skills IV is the fourth and final course of the four-semester Aural Skills sequence. Through this sequence, students will learn to sight-sing pitch and rhythm in various keys and modalities using solfege. Aural Skills IV will focus on medieval modes, twentieth-century music, and contemporary music techniques. Spring odd years. Corequisite MUS 211.

### MUS 219 World Music

<table>
<thead>
<tr>
<th>Fall</th>
<th>3 credit hours</th>
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</thead>
<tbody>
<tr>
<td>Creative Arts and International exploratories</td>
<td></td>
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</tbody>
</table>

A survey of Non-Western Music from across the globe. Students will develop skills for describing various musical styles and work toward understanding music’s role in cultural identity. Students will learn to play instruments from these societies in a weekly performance lab and may choose to participate in a concert on campus at the end of the semester. No prior musical experience is necessary.

### MUS 300 Topics in Music

<table>
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<tr>
<th>3 credit hours</th>
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</table>

A topic of current interest in music will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.

### MUS 310 Conducting and Score Preparation

<table>
<thead>
<tr>
<th>Spring, odd academic years</th>
<th>2 credit hours</th>
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</thead>
<tbody>
<tr>
<td>Prereq: Grade of C- or better in MUS 110 and 111 or instructor permission</td>
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</tbody>
</table>

This course functions to establish and develop basic conducting skills with an emphasis on simple metrical patterns, fundamental conducting technique, non-verbal communication, and the basics of score study. This course will integrate components of music theory, history and performance in such a way that each student will gain the skills that are appropriate to prepare and conduct rehearsals and performances.

### MUS 321 Woodwind Methods and Pedagogy

<table>
<thead>
<tr>
<th>Spring, odd academic years</th>
<th>1 credit hour</th>
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</table>

This course offers students instruction on woodwind instruments and provides students with a basic knowledge of how the instruments work and how to play them properly. Through hands-on experience and further class instruction, students will also develop a knowledge of best practices in woodwind pedagogy.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 322</td>
<td>String Methods and Pedagogy</td>
<td>1</td>
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<tr>
<td></td>
<td>Fall, odd academic years</td>
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<tr>
<td></td>
<td>This course offers students instruction on string instruments and provides students with a basic knowledge of how the instruments work and how to play them properly. Through hands-on experience and further class instruction, students will also develop a knowledge of best practices in string pedagogy.</td>
<td></td>
</tr>
<tr>
<td>MUS 323</td>
<td>Brass Methods and Pedagogy</td>
<td>1</td>
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<tr>
<td></td>
<td>Spring, even academic years</td>
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<td></td>
<td>This course offers students instruction on brass instruments and provides students with a basic knowledge of how the instruments work and how to play them properly. Through hands-on experience and further class instruction, students will also develop a knowledge of best practices in brass pedagogy.</td>
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<tr>
<td>MUS 328</td>
<td>Music Technology and Arranging</td>
<td>2</td>
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<td></td>
<td>Spring, odd academic years</td>
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<td>This course will introduce music students to common technology used within the music industry, including Audacity and Finale. Students will then use the given technology to learn and apply a basic understanding of arranging music for a given ensemble, including instrument and voice range, effective voicing of chords, and providing a publishable product.</td>
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<tr>
<td>MUS 334</td>
<td>Survey of Band and Orchestra Literature</td>
<td>1</td>
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<td></td>
<td>Spring, odd academic years</td>
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<td></td>
<td>This course will introduce the instrumental music student to the major works in the band and orchestra literature. Literature will be investigated according to historical context, style, interpretation, and performance and programming issues. Instrumental music majors should take this class in conjunction with MUS 310.</td>
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<tr>
<td>MUS 330</td>
<td>Music History II-Early to 1750</td>
<td>4</td>
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<tr>
<td></td>
<td>Spring, even academic years</td>
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<tr>
<td></td>
<td>Creative Arts exploratory</td>
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<td></td>
<td>This course is a survey of Western Music from its early beginnings to the Classical Era. The course will offer opportunities to become involved with music from a historical perspective, examining the cultural and societal norms which drive the creative processes of the time. A focus will be placed upon the examination of many works representing various genres within the Early, Medieval, Baroque and Galant periods.</td>
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<tr>
<td>MUS 331</td>
<td>Music History I-1750 to present</td>
<td>4</td>
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<tr>
<td></td>
<td>Fall</td>
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<tr>
<td></td>
<td>Creative Arts exploratory</td>
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<td></td>
<td>This course is a survey of Western Music from the Classical period to the present. The course will offer opportunities to become involved with music from a historical perspective, examining the cultural and societal norms which drive the creative processes of the time. A focus will be placed upon the examination of many works representing various genres within the Classical, Romantic, and Modern/Post-Modern periods.</td>
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<tr>
<td>MUS 343</td>
<td>Survey of Vocal and Choral Literature</td>
<td>3</td>
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<td></td>
<td>Fall, even academic years</td>
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<td></td>
<td>This course will introduce the voice student to the primary genres of vocal and choral literature from the Renaissance to the 20th century. Vocal and choral repertoire will be investigated according to historical context, style, interpretation and performance and programming issues.</td>
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</tbody>
</table>
### MUS 344 Vocal Pedagogy
3 credit hours
Spring, even academic years

This course presents the various aspects of teaching private and group voice lessons. A study of teaching techniques will be presented and will emphasize vocal anatomy and physiology as well as components of respiration, phonation and resonance. A survey of repertoire and technique books will be analyzed for appropriateness with differing ability levels. All aspects of the course will focus on developing musicianship skills, voice technique, and artistry in students of singing.

### MUS 353 Survey of Piano Literature
3 credit hours
On demand

This course provides students with a survey of the major compositions for piano from 1600 to the present. In addition to listening to and analyzing this music, students will look at the cultural influences, historical development, nationalistic tendencies, and contemporary impact on the composers.

### MUS 354 Piano Pedagogy
3 credit hours
On demand

This course is an intensive and comprehensive presentation of the various aspects of the piano teaching profession, including a study of techniques and methods for teaching the beginning and intermediate student. A survey of various materials for teaching piano are examined with an emphasis on evaluation and critical analysis of integral elements necessary to achieve music literacy, keyboard musicianship and comprehensive training.

### MUS 359 Music Methods
2 credit hours
Offered on demand

Fundamentals of musical notation, scales, keys, and intervals introduced in such a way as to give prospective elementary music teachers a practical working knowledge of the various facets of music (reading, singing, playing, listening, and creating) needed to conduct an effective music program in a classroom. Course is required for elementary education majors seeking a music addition to their elementary license.

### MUS 482 Music Practicum
1-2 credit hours
Prereq: instructor permission

A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.

### MUS 490 Independent Study
1-2 credit hours
Prereq: departmental and instructor consent

A course designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings.

### MUS 498 Senior Portfolio
No credit

Each student must develop a portfolio containing an appropriate body of work, by the time of graduation, demonstrates the student is ready to make the transition to graduate school or the professional workplace.

### MUS 499 Senior Competency Examination
No credit
Prereq: MUS 110, 111, 112, 210, 310, 330 & 331

Senior music majors take a written, oral and aural comprehensive examination covering basic musical principles and material from the required music courses. Grade of C- or better required.
SNR/SNT 489 (MUS) Senior Recital 1 credit hour

During the senior year the student will plan and perform a solo recital on campus. In consultation with his/her applied instructor the student will draw from all aspects of music study including theory, history, performance, and research in selecting repertoire, preparing program notes, and promoting the performance.
Neuroscience

Departments: Biology, Chemistry & Physics, and Psychology

Neuroscience, the study of the structure, development, chemistry, pathology, and function of the nervous system, can trace its origins to prehistory. In the intervening millennia, the study of the nervous system continued, with the beginning of the 20th century marking the age of modern neuroscience. Since then, the rapid advancement in medical science has fueled an exponential growth of the field.

Though some neuroscience careers require advanced degrees, there are many possible, high-paying positions for those graduating with a bachelor’s degree in neuroscience. These opportunities can range from pharmaceutical sales to clinical research, and from work in nonprofit science advocacy to law enforcement. The different concentrations in this major allow students to tailor their course work to both their interests and to their career goals. Students wishing to continue their education in neuroscience with the pursuit of a graduate degree can choose from over 52 Masters and 58 Ph.D. programs here in the United States alone.

Neuroscience Major

Core Requirements
- BIO/KIN 121 Medical Terminology & Documentation for Allied Health Professionals
- BIO 134 Principles of Biology
- BIO 140 Cell Biology
- BIO 225 Bioethics
- CHE 121 General Chemistry I
- CHE 123 General Chemistry I Lab
- CHE 122 General Chemistry II
- CHE 124 General Chemistry II Lab
- MAT 224 Basic Applied Statistics
- PSY 117 General Psychology
- PSY 210 Introduction to Neuroscience
- PSY 322 Behavioral Neuroscience

Professional Development Requirements
- PDP 200 Preparing for your Internship OR BIO 390 Professional Development Planning
- INT 425 Neuroscience Internship (at least two (2) credit hours)

Capstone Requirements
- NEU 498 Senior Project in Neuroscience
- NEU 499 Senior Competency Practicum

Neuroscience Concentration Requirements
Select FOUR (4) courses from ONE (1) concentration below
*Required course for the concentration

Biology Concentration
- BIO 210 Human Anatomy and Physiology I
- BIO 215 Human Anatomy and Physiology II
- BIO 350 Human Genetics
**BIO 360** Animal Physiology  
**BIO 373** Microbiology  
**BIO 374** Advanced Cell and Molecular Biology  
**BIO 382** Comparative Animal Behavior  
**BIO 392** Techniques in Biotechnology and Biochemistry

**Physical Sciences Concentration**

- **CHE 221** Organic Chemistry I and **CHE 223** Organic Chemistry I Lab  
- **CHE 222** Organic Chemistry II and **CHE 224** Organic Chemistry II Lab  
- **CHE 227** Analytical Chemistry  
- **CHE 334** Biochemistry  
- **CHE 392** Techniques in Biotechnology and Biochemistry  
- **CHE 448** Instrumental Analysis  
- **PHY 355** Ultrasonography  
- **PHY 357** Radiation and Health  
- **PHY 365** Biomedical Optics

**Psychology Concentration**

- **PSY 240** Abnormal Psychology  
- **PSY 324** Psychology of Learning  
- **PSY 326** Psychopharmacology  
- **PSY 328** Cognitive Psychology

**Neuroscience Electives**

Select ONE (1) course from EACH area outside your concentration

**Neuroscience Minor**

**Core Requirements**

- **BIO 140** Cell Biology  
- **PSY 117** General Psychology  
- **PSY 322** Behavioral Neuroscience  

Independent study, research, or Internship related to Neuroscience (2 credit minimum)

**One of the following options**

- Option 1: **BIO 210** and **BIO 215** Human Anatomy & Physiology I & II  
- Option 2: **BIO 360** Animal Physiology

**One of the following courses**

- **PSY 324** Psychology of Learning  
- **PSY 326** Psychopharmacology

Complete course descriptions for each of these offerings may be found elsewhere in this catalog under the appropriate major headings.
### Neuroscience Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEU 490</td>
<td>Independent Study</td>
<td>1-2</td>
<td>Prereq: departmental consent</td>
</tr>
<tr>
<td>NEU 498</td>
<td>Senior Project in Neuroscience</td>
<td>1-2</td>
<td></td>
</tr>
<tr>
<td>NEU 499</td>
<td>Senior Competency Practicum</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Course designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings.

**NEU 498 Senior Project in Neuroscience**

Students will demonstrate and showcase knowledge acquired through their study of neuroscience by conducting an original experiment or producing a comprehensive synthetic review of a topic in neuroscience. This course can be conducted by any Psychology or Natural Sciences faculty member willing and best suited for the project.

**NEU 499 Senior Competency Practicum**

An examination covering basic neuroscience principles and material from the core neuroscience curriculum. Grade of D- or better required.
The Franklin College philosophy program is designed to prepare students for a life of critical examination of themselves and their society; to develop in students an ability to detect the structures, the strengths and weaknesses, and the assumptions of argumentation; and to seek to put these skills to use for the betterment of society.

To fulfill this mission, the program provides opportunities for students to understand the basic questions of all disciplines and of human existence by introducing them to the major traditions and thinkers in philosophy. The program also provides practice in sharpening the skills of logical argument and awareness of the major value systems and how they shape persons and cultures.

Students will learn to think philosophically in a variety of contexts; to seek and detect the assumptions involved in argumentation; to judge what is not only in terms of what might be, but as well in terms of what ought to be; and to understand the value of critical self-examination.
Philosophy Major
A major in philosophy is offered for those students preparing for professional careers in college teaching, law, medicine, and the ministry. As well, the area is strongly recommended for persons expecting careers involving significant amounts of decision-making, such as management, or involving the helping professions. All courses are available to all students except 400 level philosophy courses, which are not available to first-year students. PHL 470 and PHL 490 require the consent of the instructor. All prerequisites require a C- or better.

Core Requirements
- PHL 116 Introduction to Philosophy
- PHL 210 Logic
- PHL 499 Senior Competency Practicum

Professional Development Requirements
- PDP 200 Preparing for Your Internship
- PHL 498 Portfolio Development Practicum
- SNR/SNT 489 (PHL) Senior Year Experience/Project

One of the following courses
- PHL 220 Principles of Ethics
- PHL/POL 360 Social and Political Thought

One of the following courses
- PHL 230 Philosophy of Language
- PHL 314 History of Philosophy

One of the following courses
- PHL 325 Topics in Value

Nine to ten additional hours in PHL

Related Field Requirement
Twelve semester hours to be approved by the department and submitted in writing to the Academic Records Office. All related field courses require a C- or better.

A student planning to do graduate work should acquire a reading knowledge of French.
Philosophy Minor

Core Requirements
   PHL 116 Introduction to Philosophy
   PHL 210 Logic

One of the following courses
   PHL 220 Principles of Ethics
   PHL/POL 360 Social and Political Thought

One of the following courses
   PHL 230 Philosophy of Language
   PHL 314 History of Philosophy

One additional PHL course beyond those listed above
### Philosophy Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Meetings</th>
<th>General Education Credit</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PHL 116</td>
<td>Introduction to Philosophy</td>
<td>4</td>
<td>Fall, Spring</td>
<td>Reasoning &amp; Values exploratory</td>
<td>An introduction to the &quot;perennial questions&quot; of philosophy: Is knowledge possible? Does God exist? What is truth? Do persons have souls? What constitutes the good life or human fulfillment?</td>
</tr>
<tr>
<td>PHL 120</td>
<td>Knowledge and Reality</td>
<td>4</td>
<td>Fall, odd academic years</td>
<td>Reasoning &amp; Values exploratory</td>
<td>This course will cover major philosophical thought in the areas of metaphysics and epistemology. The major subject matter of analysis of the course will concern the nature of reality and existence, and the nature of knowledge and belief. Topics covered will include the nature of identity, existence, causation, and time; theories of knowledge and justification, skepticism, testimony, disagreement, and epistemic injustice.</td>
</tr>
<tr>
<td>PHL 210</td>
<td>Logic</td>
<td>4</td>
<td>Fall</td>
<td>Reasoning &amp; Values exploratory</td>
<td>This course is an examination of what constitutes proper and improper reasoning, argumentation, and critical assessment of arguments. Topics covered include fallacies, major types of arguments, categorical syllogisms, formal deductive logic, as well as the philosophy of logic itself.</td>
</tr>
<tr>
<td>PHL 220</td>
<td>Principles of Ethics</td>
<td>4</td>
<td>Spring</td>
<td>Reasoning &amp; Values exploratory</td>
<td>An examination of the classical sources of ethical thought, such as Plato, Aristotle, Kant, Mill, and others, with attention to their relevance to contemporary problems in business and social ethics.</td>
</tr>
<tr>
<td>PHL 230</td>
<td>Philosophy of Language</td>
<td>4</td>
<td>Fall, even academic years</td>
<td>Reasoning &amp; Values exploratory</td>
<td>This course concerns major developments in the philosophical study of language, including both theoretical examinations of language and their application to contemporary issues. The course will focus on how philosophers have come to understand the nature of communication and discourse, as well as major structural forms of linguistic expression. Topics covered include truth, meaning, reference, linguistic conventions and norms, the difference between semantics and pragmatics, context-sensitivity, presupposition, implication, speech acts, as well as what type of moral or political (if any) norms ought to apply to linguistic discourse itself.</td>
</tr>
<tr>
<td>PHL 250</td>
<td>Living Religions East</td>
<td>4</td>
<td>Spring, even academic years</td>
<td>Reasoning &amp; Values exploratory</td>
<td>Historical development, cultural influences, and contemporary expression of Hinduism, Buddhism, Confucianism, Taoism, and Shinto. Same as REL 250.</td>
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<tr>
<td>PHL 300</td>
<td>Topics in Philosophy</td>
<td>3</td>
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<td>A topic of current interest in philosophy will be taught. Topics will vary depending on faculty and student interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Term(s)</td>
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<tr>
<td>PHL 314</td>
<td>History of Philosophy</td>
<td>4</td>
<td>Spring, odd academic years</td>
<td>Reasoning &amp; Values exploratory</td>
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<td>Prereq: One additional PHL course</td>
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<td>This course covers key figures in the history of</td>
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<td>western philosophy. Time periods covered will</td>
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<td>include Pre-Socratic, Ancient, Medieval, Modern,</td>
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<td>and developments in the early 20th century.</td>
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<td></td>
<td>Will cover major works by Plato, Aristotle,</td>
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<td></td>
<td>Augustine, Aquinas, Descartes, Spinoza, Hobbes,</td>
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<td></td>
<td>Locke, Rousseau, Hume, Kant, James, Wittgenstein,</td>
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<td>Sartre, and Beauvoir.</td>
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<td>Prerequisite: one additional Philosophy course.</td>
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<tr>
<td>PHL 325</td>
<td>Topics in Value</td>
<td>4</td>
<td>Spring</td>
<td>Prereq: One additional PHL course</td>
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<td>This course offers a rotating topic of major</td>
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<td>concern in value theory, broadly construed. Areas</td>
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<td>within value theory include: Metaethics,</td>
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<td>Normative Ethics, Social and Political Theory,</td>
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<td>Applied Ethics, Aesthetics, and Non-Ideal Theory.</td>
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<td>This course will focus on creating students’</td>
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<td>knowledge and understanding of the nature of</td>
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<td>value and normativity, and cultivating students’</td>
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<td>ability to critically assess claims on what is</td>
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<td>and is not of value and what ought or ought not</td>
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<td>to be. This course may be repeated for credit if</td>
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<td>different course topics are completed.</td>
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<td>Prerequisite: One additional Philosophy course.</td>
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<td>PHL 360</td>
<td>Social and Political Thought</td>
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<td>Fall</td>
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<td>Study of social and political ideas such as the</td>
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<td>nature and justification of political power, the</td>
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<td>nature and legitimacy of governments, and related</td>
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<td>topics from Plato to the present. Same as POL</td>
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<td>PHL 365</td>
<td>Philosophy of Religion</td>
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<td>Fall, even academic years</td>
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<td>Persistent philosophical problems of historical</td>
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<td>religions, such as the nature of religion,</td>
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<td>religious knowledge, and the nature and existence</td>
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<td>of God, and human freedom. Same as REL 365.</td>
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<td>PHL 470</td>
<td>Seminar: Themes in Philosophic Inquiry</td>
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<td>Prereq: consent of instructor</td>
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<td>A study of the theory of knowledge, mete</td>
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<td>physics, axiology, advanced logic, or some</td>
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<td>particular thinker, tradition, or theme,</td>
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<td></td>
<td>depending on needs and interests of students.</td>
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<td>PHL 482</td>
<td>Philosophy Practicum</td>
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<td>Prereq: instructor permission</td>
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<td>A supervised, pre-approved experience which</td>
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<td>allows a student to pursue specific learning</td>
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<td>goals and/or be involved in a field experience</td>
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<td>during the regular academic semester.</td>
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<td>PHL 490</td>
<td>Independent Study</td>
<td>1-2</td>
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<td>Prereq: departmental consent</td>
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<td>An academic project designed to encourage</td>
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<td>student initiative and to provide a degree of</td>
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<td>flexibility in the departmental program.</td>
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<td>Normally the subject is not sufficiently or</td>
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<td>appropriately covered in departmental course</td>
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<td>offerings.</td>
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<td>Coreq</td>
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<tr>
<td><strong>PHL 498 Portfolio Development Practicum</strong></td>
<td>No credit</td>
<td>Coreq: PHL 499 and SNR/SNT 489</td>
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<tr>
<td>Each student must develop a portfolio containing an appropriate body of work that, by the time of graduation, demonstrates the student is ready to make the transition to the professional workplace or graduate school. The specific format and content of the portfolio is determined through consultation of the student with the department and by attending appropriate sessions of PDP 200. PHL 498 is one component of the SNR/SNT 489 requirement. Portfolios will receive either a passing or failing grade.</td>
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</table>

| **PHL 499 Senior Competency Practicum**     | No credit | Coreq: PHL 498 and SNR/SNT 489 |
| Taken concurrently with SNR/SNT 489 (PHL), but may include at the department’s discretion a multiple-hour comprehensive essay examination covering the history of philosophy and related topics (Oriental thought, political philosophy, ethics, etc.) depending on the student’s transcript and senior year experience. A grade of C or better is required for graduation. |

| **SNR/SNT 489 (PHL) Senior Year Experience/Project** | 2 credit hours | Coreq: PHL 498 and PHL 499 |
| Franklin College requires a senior year experience (SNR/SNT 489) of all graduating seniors. A portfolio, some participation in PDP 200 and a practical professional development experience related to the field of philosophy and the student’s future plans are normal components. Options for completing this requirement will be as determined for each student in consultation with the department. |
Political Science

Department Chair: R. Smith
Department Members: A. Fetter-Harrott, R. Smith

Major: Political Science, Political Economy
Minors: Political Science, International Relations, Political Economy

The political science department provides the means by which, within the liberal arts curriculum, undergraduate students learn to understand the political process (at both domestic and international levels.) The place of political science in a liberal arts setting has been established for the better part of 3,000 years. The department offers two sets of courses: one concerned with international politics, and another concerned with American politics. Like the ancient Greek philosophers, political science is concerned both with understanding and evaluating the processes which allocate societal values. In so doing, our students will be able to appreciate and understand these two levels of the political process. The department offers core coursework within two majors, which each focus on different aspects of the study of politics.

The major in Political Science builds from a core academic and philosophical examination of politics through to practical application. Students majoring in Political Science live the connection between theory and practice as they explore the interplay of politics/law in their choice of an immersive learning experience. Throughout the rest of the curriculum students expand upon this knowledge and experience base to build a formidable resume that includes completion of their own independent research prior to graduation. As a result of this training, students will be able to think analytically about the problems that face humankind internationally and domestically. They will be prepared for such things as law school, graduate school, employment by government at the local, state, and federal levels, as well as careers in teaching.

All political science majors and minors must earn a grade of C- or better in all required political science courses. Students majoring in political science must complete the 29 semester hours of political science with a minimum graduation GPA of 2.00 (A=4.00). Students wishing to minor in political science or international relations must complete all required courses with a minimum graduation GPA of 2.00 (A=4.00).

The major in Political Economy is Franklin College’s interdisciplinary major. Coursework within the major examines the relationship between politics and economics in modern societies and focuses on problems of both domestic and international policy. Students majoring in Political Economy study the political and economic factors that affect, and are affected by, systems of production, exchange, and distribution. That is, political economy majors analyze how international and domestic political factors interact with micro- and macro-economic factors to determine outcomes in a wide variety of areas including globalization, international trade and finance, regulation, development, taxes, and income distribution. As a result, students will be able to think logically and analytically about the problems that face humankind internationally and domestically. They will be prepared for law school, graduate school and employment by private sectors and government at the local, state, and federal levels, as well as careers in teaching.

All political economy majors and minors must earn a grade of C- or better in all required coursework for the major, minor and related field. Students majoring in political economy must complete the all required major/minor courses with a minimum graduation GPA of 2.00 (A=4.00). Furthermore, regardless of major, all students taking economics courses must complete all prerequisites with a C- or better.
Political Science Major

Core Requirements
- POL 110 American National Government
- POL 360 Social and Political Thought
- POL 469 Methods of Political Inquiry
- POL 470 Senior Seminar
- POL 499 Senior Competency Practicum
- MAT 224 Basic Applied Statistics

One of the following courses
- POL 410 American Constitutional Law I: Powers and Duties
- POL 420 American Constitutional Law II: Civil Rights and Liberties

Immersive Learning Requirement – one of the following courses
- POL 225 State and Local Government
- POL 234 American Political Participation
- POL 275 Law and Politics in American Society
- Any other experiential course relating to political science by approval of the Department

Two of the following courses – not the same courses as used above
- POL 225 State and Local Government
- POL 234 American Political Participation
- POL 275 Law and Politics in American Society
- POL 316 American Presidency
- POL 317 American Congress
- POL 336 Introduction to Public Policy
- POL 350 Public Administration
- POL 410 American Constitutional Law I: Powers and Duties
- POL 420 American Constitutional Law II: Civil Rights and Liberties

Two of the following courses – not the same course as used above
- POL 120 Introduction to International Relations
- POL 130 Introduction to Comparative Politics
- POL 320 International Security and Conflict Management
- POL 341 International Law and Organizations
- POL 355 Comparative Politics in Developed Countries
- POL 390 American Foreign Policy

Additional POL credits, if necessary, to meet the minimum required of 25 hours beyond POL 110.

Professional Development Requirements
- POL 498 Portfolio (take with POL 470)
- SNR/SNT489 (POL) Senior Internship/Project

Related Field Requirement
Twelve semester hours in a related field such as journalism, philosophy, history, economics, psychology, or sociology (any variations must be approved by the department and submitted in writing to the Academic Records Office). Courses may be taken outside these departments for a related field only with the consent of
the chairperson of the department of political science. All related field courses must be completed with a grade of D or better.

**NOTE:** POL 110 should be taken before the completion of the sophomore year.

**Political Economy Major**

*Cannot be combined with Economics and/or Political Science majors*

**Core requirements**

**Political Science Field**

- POL 110 American National Government
- POL 120 Introduction to International Relations
- POL 130 Introduction to Comparative Politics
- POL 336 Introduction to Public Policy
- POL 360 Social and Political Thought

**Economics Field**

- ECO 115 Principles of Economics
- ECO 223 Intermediate Macroeconomics

**Statistics Field**

- ECO 380 Econometrics

**Senior Capstone Courses**

- ECO 475 Strategic Implementation Project
- ECO 499 Senior Competency Practicum or POL 499 Senior Competency Practicum

**Elective courses**

**Political Science Field** – choose **three** courses from the following

- POL 316 American Presidency
- POL 317 American Congress
- POL 320 International Security and Conflict Management
- POL 341 International Law and Organizations
- POL 350 Public Administration
- POL 390 American Foreign Policy
- POL 410 American Constitutional Law I: Powers and Duties
- POL 420 American Constitutional Law II: Civil Rights and Liberties

**Economics Field** – choose **two** courses from the following

- ECO 330 Money and Banking
- ECO 350 International Business and Finance
- ECO 360 Labor Economics and Management

**Professional Development Requirement**

- PDP 200 Preparing for Your Internship
- INT XXX Internship in Economics or related field (4 credits) or SNR/SNT489 (POL) Senior Internship/Project (4-6 credits)
- ECO 498 Portfolio or POL 498 Portfolio (take with POL 470)
Related Field Requirement
MAT 131 Introduction to Quantitative Analysis
MAT 224 Basic Applied Statistics

Two of the following courses
ACC 341 Introduction to Taxation
BUS 341 Business Law I
PHL 220 Principles of Ethics
PSY 320 Social Psychology
SOC 210 Criminal Justice
SOC 321 Criminology
Other courses approved by faculty from both political science and economics

Political Science Minor

Core requirements
POL 110 American National Government
POL 120 Introduction to International Relations
POL 130 Introduction to Comparative Politics
POL 360 Social and Political Thought

One of the following courses
POL 410 American Constitutional Law I: Powers and Duties
POL 420 American Constitutional Law II: Civil Rights and Liberties

International Relations Minor

Note: This minor is not available to political science majors.

Core requirements
POL 120 Introduction to International Relations
POL 130 Introduction to Comparative Politics
POL 341 International Law and Organizations
POL 360 Social and Political Thought

One of the following courses
BUS/ECO 350 International Business and Finance
CAN/POL 355 Comparative Politics in Developed Countries
HIS 361 East Asian History
HIS 365 History of the Middle East
PHL/REL 250 Living Religions East

Two semesters of a foreign language offered by Franklin College.
**Political Economy Minor**

*Note: This minor is not available to political science majors or minors, economics majors or minors, or international relations minors.*

**Core requirements**

**Political Science Field**
- **POL 110** American National Government
- **POL 120** Introduction to International Relations
- **POL 336** Introduction to Public Policy

**Economics Field**
- **ECO 115** Principles of Economics
- **ECO 223** Intermediate Macroeconomics

**Elective courses**

**Political Science Field** – choose one course from the following
- **POL 130** Introduction to Comparative Politics
- **POL 225** State and Local Government
- **POL 316** American Presidency
- **POL 317** American Congress
- **POL 360** Social and Political Thought

**Economics Field** – choose one course from the following
- **ECO 330** Money and Banking
- **ECO 350** International Business and Finance
- **ECO 360** Labor Economics and Management
## Political Science Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Schedule</th>
<th>Exploratories</th>
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<tbody>
<tr>
<td>POL 110</td>
<td>American National Government</td>
<td>4</td>
<td>Fall, Spring even years</td>
<td>Civic Learning &amp; Human Behavior exploratories</td>
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<tr>
<td>POL 120</td>
<td>Introduction to International Relations</td>
<td>4</td>
<td>Spring</td>
<td>Diversity &amp; Human Behavior exploratory</td>
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<tr>
<td>POL 130</td>
<td>Introduction to Comparative Politics</td>
<td>4</td>
<td>Fall</td>
<td>Human Behavior exploratory</td>
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<tr>
<td>POL 225</td>
<td>State and Local Government</td>
<td>4</td>
<td>Spring, odd years</td>
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<tr>
<td>POL 234</td>
<td>American Political Participation</td>
<td>4</td>
<td>Fall, even years</td>
<td>Civic Learning exploratory</td>
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<td>POL 275</td>
<td>Law and Politics in American Society</td>
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<tr>
<td>POL 300</td>
<td>Topics in Political Science</td>
<td>3</td>
<td>Spring</td>
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</tr>
</tbody>
</table>

### POL 110 American National Government

4 credit hours  
Fall, and Spring even academic years  
Civic Learning & Human Behavior exploratories

Introduction to the basic principles, theories, and major factors which influence decision-making within the political process.

### POL 120 Introduction to International Relations

4 credit hours  
Spring  
Diversity & Human Behavior exploratory

History, theory, practice, and analysis of the forces and conflicts among nation-states, including such factors as nationalism, diplomacy, war, i.e., causes, peaceful resolution and discussion of systems to prevent war, polycentrism and power, i.e., public opinion, technology, economics, and military.

### POL 130 Introduction to Comparative Politics

4 credit hours  
Fall  
Human Behavior exploratory

Introduction to the methodology of systematic country comparison through use of selected examples from Asia, Africa, Latin America and/or Europe. Issues such as the roles played by political institutions, ideologies, cultures and interest groups are examined alongside the concepts of nation-building, development and democratization. Students learn a method for comparing countries across political systems.

### POL 225 State and Local Government

4 credit hours  
Spring, odd academic years

The American political process as viewed from the perspective of state and local governmental institutions, including political parties, interest and clientele groups, the electoral process, urban politics, traditional and new patterns of city and county government, and problems and needs of metropolitan areas.

### POL 234 American Political Participation

4 credit hours  
Fall, even academic years  
Civic Learning exploratory

Patterns of voting, political parties, interest groups, and the election process in the American political system and their impact on stability and change in the system. Students will be required to complete a substantial service component within this course, either through media coverage of political participation at TheStatehouseFile.com or through service to a relevant political organization.

### POL 275 Law and Politics in American Society

4 credit hours  
Fall, odd academic years

The focus of this course will be on tracing the American legal philosophy from the roots of its political and legal settings. Special attention will be paid to the English legal heritage, the concepts of law and justice, and the different types of law in American society.

### POL 300 Topics in Political Science

3 credit hours  
Spring

The purpose of this course is to bridge the gap between theory and practice in the field of politics. Important topics, both international and domestic, may be selected by the department. Courses will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Schedule</th>
<th>Prereq</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 316</td>
<td>American Presidency</td>
<td>4</td>
<td>On demand</td>
<td>Prereq: POL 110</td>
</tr>
<tr>
<td></td>
<td>Examination of the institutionalization of the presidency, as well as the topics of power, personality, public opinion, and elections. Students develop an understanding of the constraints placed on the individuals that hold the presidency as well as the manner in which the behavior of these individuals irrevocably change the institution. Students learn of the powers and imperatives of the American presidency, as well as an understanding of the president’s role in the American political order.</td>
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<tr>
<td>POL 317</td>
<td>American Congress</td>
<td>4</td>
<td>On demand</td>
<td>Prereq: POL 110</td>
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<td></td>
<td>Examination of the institutionalization of Congress, the theories regarding motivations of its members and how these motivations likely impact the nature of the institution itself. Topics discussed include: rules, procedures, and structures of Congress; elections; and the role of parties, leadership and interest groups. Students learn alternative ways of conceiving the motivations of members of Congress and how such motivation might impact policy, as well as the importance of information in making legislative decisions.</td>
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<tr>
<td>POL 320</td>
<td>International Security and Conflict Management</td>
<td>4</td>
<td>On demand</td>
<td>Prereq: POL 120</td>
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<td></td>
<td>Examination of international conflict and cooperation. A wide range of competitive situations are surveyed, including: war, global economy, terrorism and the environment. The structure and functions of international organizations and their role in the resolution of international conflicts are also examined. Students learn to critically assess international relations theory regarding the prospects of war and peace.</td>
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<tr>
<td>POL 336</td>
<td>Introduction to Public Policy</td>
<td>4</td>
<td>On demand</td>
<td>Prereq: POL 110</td>
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<tr>
<td></td>
<td>Introduction to the elements of the American public policy process including the identification, formation, adoption, implementation, and impact stages.</td>
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<tr>
<td>POL 341</td>
<td>International Law and Organizations</td>
<td>4</td>
<td>Fall, odd academic years</td>
<td>Prereq: POL 120</td>
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<td></td>
<td>Nature, sources, and functions of international law with particular attention to the rights and duties of states. The new subject of international law: international organizations particularly the United Nations will be examined thoroughly.</td>
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<tr>
<td>POL 350</td>
<td>Public Administration</td>
<td>4</td>
<td>On demand</td>
<td>Prereq: POL 110</td>
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<tr>
<td></td>
<td>Theories and processes of public bureaucracy with emphasis on alternate efficiency and accountability problems in a democratic political system.</td>
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<tr>
<td>POL 355</td>
<td>Comparative Politics in Developed Countries</td>
<td>4</td>
<td>On demand</td>
<td>Prereq: CAN 130 or POL 130 or consent of instructor</td>
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<tr>
<td></td>
<td>This course examines the political cultures, governmental institutions, and current policy debates in Canada, France and Germany. Relations between these countries and the United States will also be examined. Same as CAN 355.</td>
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<tr>
<td>POL 360</td>
<td>Social and Political Thought</td>
<td>4</td>
<td>Fall</td>
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<td></td>
<td>Study of social and political ideas such as the nature and justification of political power, the nature and legitimacy of governments, and related topics, from Plato to the present. Same as PHL 360.</td>
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<td>Course Code</td>
<td>Course Title</td>
<td>Credit Hours</td>
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<tr>
<td>POL 375</td>
<td>Justice and Advocacy</td>
<td>2</td>
<td>Fall, odd academic years</td>
<td>POL 275</td>
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<td></td>
<td>This course focuses on advanced concepts relating to</td>
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<td></td>
<td>the American system of justice. Students will learn</td>
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<td>about the rules of evidence, rhetorical strategy in a</td>
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<td>legal setting, principles of civil and criminal law,</td>
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<td></td>
<td>and other issues relating to court proceedings and</td>
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<td>trial practice. This course does not satisfy the</td>
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<td>hours required toward a major in Political Science.</td>
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<tr>
<td>POL 390</td>
<td>American Foreign Policy</td>
<td>4</td>
<td>On demand</td>
<td>POL 120</td>
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<td></td>
<td>Examination of the leading theoretical approaches to</td>
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<td></td>
<td>the study of American foreign policy. The impact of</td>
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<td>Realist and Liberal paradigms are explored along</td>
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<td>with the role of culture in the formation of foreign</td>
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<td>policy. Additional approaches such as decision-making,</td>
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<td></td>
<td>leadership, public opinion and psychology are also</td>
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<td>explored. Students learn to critically evaluate</td>
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<td>foreign policy from several different perspectives.</td>
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<tr>
<td>POL 410</td>
<td>American Constitutional Law I: Powers and Duties</td>
<td>4</td>
<td>On demand</td>
<td>POL 110</td>
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<tr>
<td></td>
<td>Analysis of decisions of the Supreme Court of the U.S.</td>
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<td>with special emphasis on decisions relating to the</td>
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<td>powers and duties of the institutions of American</td>
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<td></td>
<td>government.</td>
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<td>POL 420</td>
<td>American Constitutional Law II: Civil Rights and</td>
<td>4</td>
<td>Spring</td>
<td>POL 110</td>
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<td></td>
<td>Liberties</td>
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<td></td>
<td>Analysis of decisions of the Supreme Court of the U.S.</td>
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<td>with special emphasis on decisions relating to the</td>
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<td>Bill of Rights and the 14th Amendment.</td>
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<tr>
<td>POL 469</td>
<td>Methods of Political Inquiry</td>
<td>4</td>
<td>Fall</td>
<td>POL 110</td>
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<td></td>
<td>Survey of the variety of ways political scientists</td>
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<td>study phenomena. Students gain familiarity with the</td>
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<td>prominent paradigmatic and methodological approaches</td>
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<td>employed by political scientists. This course serves</td>
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<td>to coalesce prior coursework exploring political</td>
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<td>science literature and provides an overview of the</td>
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<td>principles of research design. Students will explore</td>
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<td>different methodological approaches to addressing</td>
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<td>research questions. This course culminates in</td>
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<td>practical student application of what they learned as</td>
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<td>evidenced by the submission of a formal research</td>
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<td></td>
<td>proposal.</td>
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<tr>
<td>POL 470</td>
<td>Senior Seminar</td>
<td>4</td>
<td>Spring</td>
<td>POL 110, 360 &amp;</td>
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<td>Coreq: POL 498</td>
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<td>Methods and materials of research in government. Each</td>
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<td>student chooses a research question which culminates</td>
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<td>in a formal empirical analysis which is presented to</td>
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<td></td>
<td>the College.</td>
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<tr>
<td>POL 482</td>
<td>Political Science Practicum</td>
<td>1-2</td>
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<td>Prereq: instructor permission</td>
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<td>A supervised, pre-approved experience which allows a</td>
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<td>student to pursue specific learning goals and/or be</td>
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<td>involved in a field experience during the regular</td>
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<td>academic semester.</td>
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<tr>
<td>POL 490</td>
<td>Independent Study</td>
<td>1-2</td>
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<td>Prereq:</td>
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<td>departmental consent is required</td>
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<td></td>
<td>Courses are designed to encourage student initiative</td>
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<td>and to provide a degree of flexibility in the</td>
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<td>departmental program. Normally the subject is not</td>
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<tr>
<td></td>
<td>sufficiently or appropriately covered in departmental</td>
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<td></td>
<td>course offerings. Course can consist of individualized</td>
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<td></td>
<td>reading and research in a field or area of student</td>
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<td></td>
<td>interest or need.</td>
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</tbody>
</table>
The main component of this collection of student work will be the research paper completed in POL 470 that students develop from courses taken within the department and internships they may have completed. Contents may also include designated class assignments, case studies and projects, or assignments and projects of the student’s choosing. The portfolio is completed with assignments related to leadership and professional development from the PDP 200 course.

The senior competency practicum is both a written essay and oral exam. The questions for the essay exam are submitted by the faculty of the department who also conduct the oral exam. A grade of ‘C-’ or better is considered a passing grade.

A senior internship/project which may also be completed in the junior year.
Pre-Law Curriculum

Program Advisors: A. Fetter-Harrott, R. Smith

Program: Pre-Law

Students who plan to enter a law school upon graduation from Franklin College may complete any major. Those most prepared for the challenge of law school practice will develop an understanding of the U.S. legal system, its historical and philosophical bases, and issues central to ethical, contemporary practice. To earn a pre-law designation upon graduation from Franklin College, students must complete the following program with the guidance of the pre-law advisors.

Required courses
- POL 110 American National Government
- POL 275 Law and Politics in American Society

Category A: One of the following courses
- MAT 181 Discrete Mathematics I
- PHL 210 Logic

Category B: One of the following courses
- ENG 227 The English Language
- ENG 228 Advanced Composition

Category C: One of the following courses
- BUS 341 Business Law I
- MMJ/PRL 445 Communication Law in a Digital World
- POL 341 International Law and Organizations
- POL 410 American Constitutional Law I: Powers and Duties
- POL 420 American Constitutional Law II: Civil Rights and Liberties

Category D: 10 or 11 semester hours* from the following courses
- Any course listed in Category C above
- ACC 221 Principles of Accounting I
- ACC 222 Principles of Accounting II
- BIO 225 Bioethics
- BIO/CHE 334 Biochemistry
- BIO/CHE 392 Techniques in Biotechnology and Biochemistry
- BUS/ECO 340 Business Organization and Public Policy
- BUS/ECO 360 Labor Economics and Management
- ECO 115 Principles of Economics
- ECO 221 Intermediate Microeconomics
- ENG 333 Shakespeare
- HIS 231 African American History
- HIS 325 History of American Thought
- HIS 332 History of Women in the United States
- LEA 220 Leadership: Foundations, Theory, and Practice
- MAT/SOC 224 Basic Applied Statistics
PHL 220 Principles of Ethics
POL 225 State and Local Government
POL 336 Introduction to Public Policy
POL 360 Social and Political Thought
SOC 118 Introduction to Sociology
SOC 210 Criminal Justice
SOC 321 Criminology

*Students who take either BUS 341 Business Law I or MMJ/PRL 445 Communication Law in a Digital World to fulfill their Category C requirement must take 11 hours from Category D. All others must take only 10 hours from Category D.

Additionally, students may petition the Pre-Law Program Advisors to substitute another course not listed in the catalogue (such as a Topics, Immersive Term, or Independent Study course) to meet the 10 or 11 hour requirement.

Internship Requirement
Students must complete at least one high quality law-related internship approved by the pre-law advisors.

Complete course descriptions for each of these offerings may be found elsewhere in this catalog under the appropriate major headings. Note that some course may have prerequisites.
Psychology

**Department:** Psychology  
**Department Chair:** J. Bromley  
**Department Members:** J. Bromley, W. Eiler, K. Flora, R. Rush

**Major:** Psychology  
**Minors:** Psychology  
**Associated Major:** Neuroscience  
**Associated Minor:** Neuroscience  
**Cooperative Program:** Accelerated Master of Public Health

**Program Information:** Psychology is the scientific study of human behavior. Even the most introverted, isolated individuals must interact with others at some point; nobody is exempt from the findings of the field of psychology. Because most people interact with others regularly, most people use psychology on a daily basis whether they are aware of it or not. Findings from the field of psychology can be applicable to a broad range of occupations and roles, from managers to teachers to parents. Thus, psychology provides the insight to better understand ourselves and our wide network of relationships.

Operating within the strong liberal arts structure at Franklin College, the Psychology Program communicates to students that psychology offers unique ways of thinking and knowing, which have great potential for helping people identify and cope with the world’s problems. Additionally, the program aims to develop in students the compassion, command and comprehension they will need to work toward making the world a better place for all individuals to lead satisfying and productive lives.

The Psychology Program strives to:

- provide students with a broad and deep knowledge base in psychology  
- engage students in practical applications of that knowledge base  
- enable students to develop methodological competence and ethical sensitivity  
- encourage students to play an active role in their education both inside and outside of the classroom.

*All major and minor courses and prerequisites must be completed with a grade of C- or better.*
Psychology Major
Minimum of 30 semester hours as follows. A maximum of 9 credit hours of transfer credit may be applied to the 30 hours of coursework required for the psychology major.

Core Requirements
PSY 117 General Psychology
PSY 227 Introductory Statistics and Research Methods in Psychology
PSY 240 Abnormal Psychology
PSY 320 Social Psychology
PSY 322 Behavioral Neuroscience
PSY 419 Advanced Statistics and Research Methods in Psychology I
PSY 420 Advanced Statistics and Research Methods in Psychology II
PSY 422 History and Systems
PSY 499 Senior Competency Practicum

Professional Development Requirements
PDP 200 Preparing for your Internship
PSY 482 Professional Development in Psychology
PSY 498 Portfolio
SNT 489 PSY Internship in Psychology

One course from two of the following three categories

Category A – Developmental/Applied
PSY 226 Lifespan Development
PSY 250 Industrial Organizational Psychology
PSY 330 Psychology and Law
PSY 416 Health Psychology

Category B – Personality/Counseling
PSY 310 Introduction to Counseling
PSY 315 Psychology of Diversity
PSY 421 Theories of Personality

Category C – Cognitive/Biological
PSY 210 Introduction to Neuroscience
PSY 324 Psychology of Learning
PSY 326 Psychopharmacology
PSY 328 Cognitive Psychology

Related Field Requirement: Students are required to choose ONE of the following options

Related Field Option - Twelve credit hours from one academic field outside of psychology as approved by the department.

Minor Option - A minor in an academic field outside of psychology. Students must meet the requirements of the department offering the minor.

Double Major Option - A second major at Franklin College. Students must meet all requirements for the second major and the psychology major

Sequencing Notes: A student is strongly recommended to take PSY 227 in the first or sophomore year since PSY 227 is a prerequisite for the PSY 419/PSY 420 course sequence. Students contemplating a major or minor in psychology must receive a grade of C- or better in PSY 117 before registering for upper level classes. Another general
recommendation is that PSY 320 should be completed in the junior year. Students should pay particular attention
to alternate year course offerings and carefully plan, in close consultation with their advisor, the timing for taking
these courses. Undergraduate research is recommended for students planning to attend graduate school.

**Neuroscience Major**
Please see separate Neuroscience section in this course catalog.

**Psychology Minor**

**Core Requirement**
PSY 117 General Psychology

Four of the following courses - *At least one of the four courses must be a 300 or 400 level course.*
Students should select four of the following courses best suited to supplement their major emphasis or career interest, after consultation with advisor or psychology faculty.

- PSY 226 Lifespan Development
- PSY 227 Introductory Statistics and Research Methods in Psychology
- PSY 240 Abnormal Psychology
- PSY 250 Industrial Organizational Psychology
- PSY 310 Introduction to Counseling
- PSY 315 Psychology of Diversity
- PSY 320 Social Psychology
- PSY 322 Behavioral Neuroscience
- PSY 324 Psychology of Learning
- PSY 326 Psychopharmacology
- PSY 328 Cognitive Psychology
- PSY 330 Psychology and Law
- PSY 416 Health Psychology
- PSY 421 Theories of Personality

**Neuroscience Minor**
Please see separate Neuroscience section in this course catalog.
Cooperative Programs in Psychology
Franklin College offers an accelerated Master of Public Health (AMPH) in the form of a 3 + 2 combined Bachelor of Arts (3) and Master of Public Health (2) degree with the IUPUI Richard M. Fairbanks School of Public Health. This consists of a common core and specific courses required for each particular program. After completion of three years of college work and fulfilling Franklin College graduation requirements (except total graduation hours and completion of one of the two required diversity and international courses), students may receive a bachelor of arts degree from Franklin College upon completing one year at IUPUI, for a total of 120 semester hours. Successful completion of the first year in the cooperative program satisfies the internship or senior year experience requirement for the major. Any student following these programs who is not accepted by IUPUI after the third year could return to Franklin College and receive a bachelor of arts in psychology by completing: 1) all of the remaining requirements for the psychology major, 2) one additional diversity or international course, and 3) 120 total semester hours required for graduation. (Students with a declared enrollment in the aforementioned cooperative program will be given priority during registration in subsequent semester(s)). See the Public Health section of this catalog for more details.

3+2 Program in Psychology and Athletic Training
Franklin College offers an accelerated Master of Science in Athletic Training (MSAT) track in the form of a combined Bachelor of Arts in Psychology and Master of Science in Athletic Training, with the potential to complete both degrees in five years. This cooperative program consists of common core and specific courses required for each particular program, in addition to specific pre-requisites for application to the MSAT program. Upon acceptance to the MSAT program, the fourth year consists of primarily MSAT graduate courses, while also finishing any required undergraduate courses. After completing three years of undergraduate courses and one year in the MSAT program, students graduate with a Bachelor of Arts degree in Psychology from Franklin College. After completing the second year in the MSAT program, students graduate with their Master’s in Athletic Training.

Students interested in this option should apply to the MSAT program by December 31st of their junior year to meet the early admission deadline for the MSAT program. Please refer to the Master of Science in Athletic Training section of this catalog for more details.
Psychology Course Descriptions

PSY 117 General Psychology  4 credit hours
Fall and Spring  Human Behavior exploratory
Offers an introduction to the field of psychology as a social science. This course covers many areas of investigation of interpersonal and intra-personal processes, such as sensation and perception, memory development, and learning. An understanding of basic psychological principles and perspectives will be emphasized.

PSY 210 Introduction to Neuroscience  4 credit hours
Fall, odd academic years
The human nervous system, particularly the brain, is the most complicated machine in the known universe. With hundreds of billions of moving parts, we are only now beginning to unravel its secrets. The goal of this course is to survey our current understanding of the brain using an integrative approach. Students will examine neuroscience from the perspectives of the natural (e.g. biology, chemistry, physics) and social (e.g. psychology) sciences while also examining the methodologies used in the study of the brain. In addition, we will consider the social and medical implications that evolve from our growing understanding of neuroscience. Future careers in the field of neuroscience will also be discussed.

PSY 220 Gerontology  4 credit hours
Spring, odd academic years  Prereq: PSY 117 or SOC 118
An analysis of the process of aging, which will utilize social, psychological, and structural approaches to gain an understanding of the unique problems which confront the elderly in modern society. Course goals also include the development or refinement of specific skills and techniques for studying or working with older adults through a substantive experiential learning component. Same as SOC 220.

PSY 226 Lifespan Development  4 credit hours
Spring  Prereq: PSY 117
This course is a survey of major themes of change and constancy from fetal development to death, with emphasis on typical biological, cognitive and socioemotional development. Students will apply theory to practice through observational projects and critical readings of both empirical and popular sources. The impact of ethnic, gender and cultural factors on development will be emphasized.

PSY 227 Introductory Statistics and Research Methods in Psychology  4 credit hours
Fall and Spring  Prereq: PSY 117 or consent of instructor
This course will prepare students for upper-level psychology courses by providing an overview of various methodologies used by psychologists to understand the world. This writing intensive course will teach students to locate and summarize scholarly articles using APA format. Students will be introduced to SPSS to enter, analyze, and interpret small data sets. Discussion of ethical decision making as part of the research process will be emphasized. The course culminates with a group replication of a previously published psychological study, complete with a full write-up and presentation.

PSY 240 Abnormal Psychology  4 credit hours
Fall, even & Spring, odd academic years  Prereq: PSY 117
Offers a survey of adult abnormal psychology integrating theory and research with case histories and first-person narratives.
PSY 250 Industrial Organizational Psychology  
4 credit hours
Fall, even academic years  
Prereq: MAT 224 or PSY 227
This course examines the field of industrial-organizational psychology. Topics studied include test and scale development, selection practices, job satisfaction, absenteeism interventions, turnover, organizational commitment, performance management and leadership. Using empirical evidence, students will examine current organizational practices as compared to best practices through two substantive projects.

PSY 300 Topics in Psychology  
3-4 credit hours
On demand
A topic of current interest in psychology will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.

PSY 310 Introduction to Counseling  
4 credit hours
Spring, even academic years  
Prereq: PSY 117
The purpose of this course is to provide an introduction to the theories, research, and practice of counseling. The history as well as the current status of the profession of counseling will be discussed. In addition, the values of the counseling field and underlying assumptions will be described. Scientific and professional aspects of counseling will be explored. Different counseling approaches, including, psychoanalytic, humanistic, behavioral, and cognitive theories, will also be introduced. Introductory active listening and interviewing skills will also be covered.

PSY 315 Psychology of Diversity  
4 credit hours
Fall, even and Spring, odd academic years  
Diversity exploratory  
Prereq: PSY 117
This course will cover the study of culture in psychology and the application of cultural knowledge to the scientific study of human behavior. Areas in cultural psychology that will be covered include research methods, psychological development, health, cognition, emotion, language, and social behavior. This course will also integrate student’s previous experiences in the liberal arts curriculum in to their current understanding of their cultural self.

PSY 320 Social Psychology  
4 credit hours
Spring  
Prereq: PSY 117 & junior or senior standing
Survey of laboratory and field research on the interaction of an individual with his or her social environment.

PSY 322 Behavioral Neuroscience  
4 credit hours
Fall, even & spring, odd academic years  
Prereq: PSY 117 or consent of instructor
A course focused on the biological underpinnings of human behavior. Topics covered include the nervous system, endocrine system, sensation and perception, memory, language, and other basic behaviors.

PSY 324 Psychology of Learning  
4 credit hours
Fall  
Prereq: PSY 117
A course focused on theories and principles of animal and human learning. Topics include innate behaviors and habituation, classical conditioning, operant conditioning, observational and motor learning.
PSY 326 Psychopharmacology 4 credit hours
Spring, even academic years  Prereq: PSY 117
This course will begin with an in-depth study of basic pharmacological principles, including receptor pharmacology and pharmacokinetics. We will cover the locations and actions of the major neurotransmitters. Next, various classes of drugs of abuse, as well as different definitions and theories of drug abuse and addiction, will be discussed. We will consider how the different classes of drugs affect brain function to cause changes in behavior, as well as the consequences of long-term drug exposure and withdrawal. Finally, we will explore pharmacological treatments for various psychological disorders.

PSY 328 Cognitive Psychology 4 credit hours
Spring  Prereq: PSY 117
This course examines both basic and complex information processing skills of humans. Topics include memory, selective attention, pattern recognition, comprehension, language processing, decision-making, and problem solving. The objectives for the course are that the student will be able to understand and critically evaluate classic and contemporary research in cognitive psychology, both basic and applied.

PSY 330 Psychology and Law 4 credit hours
Fall, odd, and Spring, even academic years  Civic Learning exploratory  Prereq: PSY 117
This course examines psychological theory and empirical research as it relates to the legal system. Topics include eyewitness identification, repressed and recovered memories, lie detection, predicting dangerousness, etc. Course objectives are that the student will be able to critically evaluate and relate research to significant questions in the field such as the definition of justice, the place of science (and pseudoscience) in the courtroom, and the proper construction and use of psychological knowledge.

PSY 345 Statistical Consulting Project 3 credit hours
Spring, odd academic years  Prereq: MAT 331 or BUS 265
Each student will work as part of a team to complete a statistical consulting project for a local non-profit agency or other appropriate organization. Special emphasis will be given to the development of skills in project management and consulting. Projects will be chosen to require the use of important statistical concepts such as experimental design, survey design, or regression analysis. Recommended especially for majors in the social sciences who are intending to go to graduate school or for those aiming for careers involving statistical applications. Same as ECO/MAT/SOC 345. Students may receive credit in only one of these cross-referenced courses.

PSY 416 Health Psychology 4 credit hours
Fall, odd academic years  Prereq: PSY 117
This course will provide an introduction to the field of health psychology, which is concerned with the roles of behavioral/lifestyle, psychological and social factors on health, illness and chronic disease. The course will address three general subject areas: 1) attitudes, behavior, and lifestyle factors affecting disease prevention and development; 2) stress and the related psychological and social processes associated with disease development and progression; and 3) social and psychological factors involved in the illness experience.

PSY 419 Advanced Statistics and Research Methods in Psychology I 4 credit hours
Fall  Prereq: PSY 117, PSY 227 & instructor’s permission
Introduction to the planning, conducting, and interpreting of research in psychology and development of further knowledge of content material associated with selected areas of investigation. Provides the experience of conducting a complete original experiment.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
<th>Prerequisites</th>
</tr>
</thead>
</table>
| PSY 420    | Advanced Statistics and Research Methods in      | 4       | Spring  | Prereq: PSY 419  
Coreq: PSY 498                                                                 |
|            | Psychology II                                    |         |         | Advanced course in experimental design which develops a greater understanding of the experimental method and provides the experience of conducting a complete original experiment. Incorporates graduation requirements for senior year experience/project. |
| PSY 421    | Theories of Personality                          | 4       | Fall,   | Prereq: PSY 117 & junior or senior standing                                 |
|            |                                                  |         | odd     | An investigation of theory, testing data, and findings in the study of personality. The course may emphasize one or more approaches such as psychoanalytic, neoanalytic, social psychological, learning, and phenomenological theories. |
| PSY 422    | History and Systems                              | 3       | Spring  | Prereq: at least 15 semester hours of PSY excluding PSY 117, senior standing, psychology major; Coreq: PSY 499 |
|            |                                                  |         |         | Historical antecedents of contemporary psychological systems, with special emphasis on the relationship of these systems to contemporary psychological theory. |
| PSY 470    | Psychology Seminar                               | 3       | Offered | Prereq: at least 12 semester hours of psychology & consent of instructor     |
|            |                                                  |         | demand  | An advanced course devoted to an intensive examination of selected topics of psychological importance. Open to psychology majors and other majors with an adequate background in psychology. |
| PSY 482    | Professional Development in Psychology           | 1       | Spring  | Prereq: junior or senior standing                                             |
|            |                                                  |         |         | An advanced professional development course for psychology students to prepare for graduate school and/or the workforce. Students will learn specific strategies for using their psychology degree and experiences to market themselves to future employers and graduate programs. Students will revise their resumes, increase their knowledge of professionalism, and improve interviewing skills. |
| PSY 490    | Independent Study                                | 1-2     |         | Prereq: Departmental consent                                                  |
|            |                                                  |         |         | Courses are designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings. |
| PSY 498    | Portfolio                                        | No      | Spring  | Coreq: PSY 420                                                                |
|            |                                                  | credit  |         | The main component will be the research project required in PSY 420. Contents may also include assignments and projects of the student’s and/or faculty’s choosing from other coursework. The professional development and leadership components are part of PSY 420 in that students are guided in preparing and presenting their research projects. Completion of PSY 420 with a grade of C- or better will show completion of portfolio requirement. |
PSY 499 Senior Competency Practicum

No credit
Spring
Coreq: PSY 422

The requirement for PSY 499 are met by the successful completion of the department’s required Major Field Test in Psychology examination, PSY 422. This will be graded as pass/fail.

SNT 489 PSY Internship in Psychology

2-4 credit hours
Prereq: PDP 200

Internship experience in a field related to the student’s chosen career field and in conjunction with professional development. Credit hours vary according to particular internship experience. May be completed after the student completes PDP 200.
Accelerated Master of Public Health

Franklin College offers an accelerated Master of Public Health Program (AMPH) in the form of a 3 + 2 combined Bachelor of Arts (3 years) and Master of Public Health (2 years) degree with the IUPUI Richard M. Fairbanks School of Public Health. Upon successful completion of a minimum of 105 credit hours (in three years) of baccalaureate instruction at Franklin College and the core requirements of the Master of Public Health degree (in the 4th year) at IUPUI (15 credit hours), the student will be eligible to receive a baccalaureate degree from Franklin College. After completion of the required credits in the MPH program, the student will then be eligible to receive the MPH degree from IUPUI.

The MPH core graduate level courses which will be part of the credits that the student will take in the fourth year (1st year at IUPUI) of the AMPH program to fulfill the final 15 credit hours required for an FC Bachelor of Arts degree are:

- S500: Social and Behavioral Science in Public Health (3 hours)
- H501: US Health care Systems and Health Policy (3 hours)
- E517: Fundamentals of Epidemiology (3 hours)
- A519: Environmental Science in Public Health (3 hours)
- B551: Biostatistics for Public Health (3 hours)

Students interested in this three-year-plus-two-year program should carefully plan Franklin College course selections after consultation with the following AMPH faculty advisors: Jason Jimerson, Allison Fetter-Harrott, and Kristin Flora.

The criteria utilized by the Richard M. Fairbanks School of Public Health to select students for admission to the program include the following:

1. Cumulative grade point average of 3.50 (A= 4.00) or better.
2. Minimum of one year of undergraduate mathematics (MAT/PSY/SOC 224 recommended).
3. Minimum of one semester human physiology biology course
4. Competent written and oral communication skills.
5. Completed application package (contact Dr. Steven Lacy at IUPUI).
6. Personal Interview

The application to the Richard M. Fairbanks School of Public Health program must be completed by July 1st of your third year at FC for the MPH program which begins the following fall.

Academic prerequisites for the AMPH program:

**Biological Science:** At least one semester of Human Anatomy & Physiology

**Chemistry:** At least one semester of Introductory Chemistry or higher

**Mathematics:** One year of college math including MAT/PSY/SOC 224

The minimum total of 105 semester hours required for admission to the Richard M. Fairbanks School of Public Health programs must include all graduation requirements at Franklin College: a departmental major, six immersive term hours, and the liberal arts program requirements. Successful completion of a Public Health related internship at FC will satisfy the internship requirements for the MPH program as well. Once students are admitted into the MPH program at IUPUI they will be expected to maintain full time graduate student status (at least 9 Cr Hours per
semester) and take the core courses listed above in their first year of the graduate program to allow them to obtain their FC degree at the end of their fourth year in the AMPH program.

Tuition and fees for the MPH program are paid directly to IUPUI. For additional information about this program, students should consult with the faculty advisors listed above.
Public Relations

Department: Journalism
Pulliam School of Journalism Director: J. Krull
Department Members: J. Cramer

Major: Public Relations
Minor: Public Relations

Public relations is a management function that helps business, government and nonprofit organizations reach desired outcomes by ethically and effectively building and maintaining relationships with target audiences. Deeply rooted in the liberal arts tradition of Aristotle’s *Rhetoric* teachings, PR has become an engaging, fast-paced, demanding and strategically sophisticated profession that today uses multi-media communications tactics and technologies.

Hallmarks of the profession include, but are certainly not limited to, a) a commitment to freedom of speech and expression; b) clear, concise and compelling writing; c) an understanding of and appreciation for journalism’s role in a democracy; d) appreciation of and commitment to multicultural awareness; e) mass media literacy; f) critical thinking and problem-solving skills; g) adherence to the codes of ethics of the Public Relations Society of America and the International Association of Business Communicators.

Students pursue in-depth academic studies of public relations while also gaining real-world, real-time learning experiences. Graduates are well prepared to launch careers in public relations and related fields. The public relations major also serves students who plan to pursue graduate or professional degrees in communications or other areas. The public relations program encourages students to explore possibilities for double majors, and also possibilities for study abroad and study away experiences.

Franklin College is the alma mater of one of the key historical figures in American public relations — Elmer Davis, who directed the Office of War Information for President Franklin Roosevelt during World War II.

*All major and minor courses must be completed with a grade of C- or better.*
Public Relations Major

Core Requirements
- PRL 221 Public Relations Practice Areas
- PRL 222 Social Media Strategy and Tactics
- PRL 333 Public Relations Writing
- PRL 334 Learning Engagement with Public Relations Professionals
- PRL 480 Strategic Communications Campaigns
- PRL 495 Senior Seminar in Public Relations History
- PRL 498 Portfolio Development Seminar
- PRL 499 Senior Competency Seminar

Optional Course
- PRL 303 Sports Information and Public Relations

Professional Development Requirements
- PRL 120 Ethics and Professional Development
- SNT 489 PRL Senior Year Internship

Media Skills and Knowledge Requirements
- PRL 150 Introduction to Digital Photography and Audio Reporting
- PRL 155 Video for Digital Journalism
- PRL 180 Publications Design
- PRL 445 Communication Law in a Digital World

Related Field Requirements: Students are required to choose ONE of the following options
- Related Field Option – Twelve credit hours from one academic field outside of public relations. Cross-listed courses with PRL courses, such as PRL/MMJ Publication Design, cannot count toward a related field.
- Minor Option – A minor in an academic field outside of public relations. Students must meet the requirements of the department offering the minor. Courses cross-listed with PRL, such as PRL/MMJ 180 Publication Design, cannot count toward a minor.
- Double Major Option – A second major at Franklin College. Students must meet all requirements for the second major AND the public relations major. Courses cross-listed with PRL, such as PRL/MMJ 180 Publication Design, cannot count toward a second major.

Public Relations Minor (except for Multimedia Journalism Majors)

Core Requirements
- PRL 150 Introduction to Digital Photography and Audio Reporting
- PRL 155 Video for Digital Journalism
- PRL 180 Publication Design
- PRL 221 Public Relations Practice Areas
- PRL 334 Learning Engagement with Public Relations Professionals
- PRL 445 Communication Law in a Digital World
Public Relations Minor for Multimedia Journalism Majors

Core Requirements
- PRL 221 Public Relations Practice Areas
- PRL 222 Social Media Strategy and Tactics
- PRL 333 Public Relations Writing
- PRL 334 Learning Engagement with Public Relations Professionals
- BUS 101 Introduction to the Business Mindset
- SOC 230 Introduction to Nonprofits
# Public Relations Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRL 120</td>
<td>Ethics and Professional Development</td>
<td>2</td>
<td>Fall and Spring</td>
</tr>
<tr>
<td></td>
<td>An introduction to basic aspects of professionalism required of media professionals. Course emphases are on professional ethics codes of journalism and public relations; basic concepts and terminology of journalism; business etiquette; media career options; basics of Associated Press style; resume and cover letter preparation; and internship preparation. Same as MMJ/SPR 120.</td>
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<tr>
<td>PRL 150</td>
<td>Introduction to Digital Photography and Audio Reporting</td>
<td>3</td>
<td>Fall and Spring</td>
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<td></td>
<td>The course will introduce students to the basic principles of digital photojournalism and video technologies. Students will be introduced to digital cameras (photographic and video), the basics of editing still photographs and the basics of video editing. Students will be required to create content using appropriate gear and prepare it for distribution across multiple platforms as appropriate for the message intended. Same as MMJ 150.</td>
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<tr>
<td>PRL 155</td>
<td>Video for Digital Journalism</td>
<td>3</td>
<td>Fall and Spring; Prereq: PRL/MMJ 150 or consent of instructor</td>
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<td>The course will focus on the practices and principles of shooting, editing and distributing video for multiple platforms. Topics include: shooting with cellphones, DSLR cameras and dedicated video cameras; preproduction planning; lighting principles; audio for video, editing video and distributing digital stories through multiple platforms. Same as MMJ 155.</td>
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<tr>
<td>PRL 180</td>
<td>Publication Design</td>
<td>3</td>
<td>Fall and Spring</td>
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<tr>
<td></td>
<td>Theory and practice in graphic design for publications commonly used by news and public relations professionals. Focus is on creating ethical, compelling and effective visual communications vehicles by combining elements such as copy, colors, fonts, photos, illustrations and informational graphics. Same as MMJ 180.</td>
<td></td>
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</tr>
<tr>
<td>PRL 221</td>
<td>Public Relations Practice Areas</td>
<td>3</td>
<td>Fall</td>
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<tr>
<td></td>
<td>An introduction to practical and theoretical aspects of the public relations profession. Students become familiar with career options and the basic knowledge/skills required of public relations practitioners through the study of contemporary practice areas such as, but not limited to, community relations, consumer relations, corporate communications, education communications, employee communications, faith-based communications, government communications, healthcare communications, investor relations, nonprofit communications, sports communications.</td>
<td></td>
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</tr>
<tr>
<td>PRL 222</td>
<td>Social Media Strategy and Tactics</td>
<td>3</td>
<td>Spring; Prereq: PRL 221 or consent of instructor</td>
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<tr>
<td></td>
<td>The study and practical application of social media best practices in public relations contexts. Topics include social media policy development/management, using social media within strategic communications plans, case studies in social media success, and basic analysis of social media metrics. Course includes hands-on practice in results-driven social media simulations.</td>
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</tbody>
</table>
PRL 300 Topics in Public Relations  
A topic of current interest in public relations will be taught. Topics will vary depending on faculty and student interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.

PRL 303 Sports Information and Public Relations  
Fall  
Prereq for PRL: PRL 221 & PRL 333 or consent of instructor  
Prereq for SPR: SPR 101, SPR 115, & SPR 200 or consent of instructor  
The study of and hands-on experience in best practices for conducting public relations on behalf of sports teams and their parent organizations-schools, conferences, amateur governing bodies and professional teams. Emphasis is on the college/university sports information profession. Topics include, but are not limited to, using in-game statistical software for major sports; media credentialing; press box and press row management; proactive and reactive media relations; season media guides; game-day media guides; strategic planning; crisis communications; relationships with players and coaches; multimedia story packaging; and pre-season, in-season and post-season writing. Same as SPR 303.

PRL 333 Public Relations Writing  
Spring  
Prereq: PRL/MMJ 120 and PRL 221 or consent of instructor  
Extensive practice in writing materials commonly used by public relations professionals and their clients. Projects involve research, concept development, writing, revision, and project management. Focuses on results-oriented writing based on accuracy, clarity, and creativity in business and nonprofit settings. Includes introduction to advertising copywriting.

PRL 334 Learning Engagement with Public Relations Professionals  
Fall  
Prereq: PRL 221 or consent of instructor  
Within the context of a traditional course, students interact and network weekly with public relations professionals from a variety of practice areas. Students study each visiting professional's practice area, business/organization, competitors, and communications tactics. Students develop additional skills and knowledge by studying communications from a professional trade organization in public relations. There is a course fee required for student membership in either the Public Relations Society of America (PRSA) or the International Association of Business Communicators (IABC), depending on the instructor’s choice of organization each year.

PRL 380 Practicum in Public Relations  
Fall and Spring  
Prereq: PRL 221 or consent of instructor  
Experience on campus in areas directly related to public relations and mass media; or off-campus experiences or on-the-job training related to public relations.

PRL 445 Communication Law in a Digital World  
Fall  
Civic Learning exploratory  
A survey of communications law, including libel, privacy, free press/fair trial, reportorial privilege, access, and broadcast regulation. Same as MMJ 445.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Term(s)</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRL 480</td>
<td>Strategic Communications Campaigns</td>
<td>3</td>
<td>Fall</td>
<td>Prereq: PRL 221, 222, 333, 334, &amp; senior standing or consent of instructor</td>
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<td>Coreq: PRL 498</td>
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</tbody>
</table>

Course focuses on the research, writing, and evaluation of strategic communications plans. Emphasis will be on common plan elements such as the situation analysis, desired communications outcomes, target audiences, key messages, strategies, tactics, and timelines-by-tactics.

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<tr>
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<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>PRL 490</td>
<td>Independent Study</td>
<td>1-2</td>
<td>Fall and spring</td>
<td>Prereq: consent of instructor</td>
</tr>
</tbody>
</table>

Course is designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings.

<table>
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<th>Term(s)</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>PRL 495</td>
<td>Senior Seminar in Public Relations History</td>
<td>3</td>
<td>Spring</td>
<td>Prereq: PRL/MMJ 120, PRL 221, 222, 333, 334, &amp; 480 or consent of instructor</td>
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<td>Coreq: PRL 498</td>
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A survey of major developments – from ancient Greece until contemporary times – in communications, media, and, especially, public relations. Course includes an introduction to conducting public relations research. Also includes familiarization with classic case studies in public relations.

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<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>PRL 498</td>
<td>Portfolio Development Seminar</td>
<td>No</td>
<td>Fall</td>
<td>Prereq: PRL 221 &amp; senior standing</td>
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<td>Coreq: PRL 480</td>
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Each student must develop physical ("book") and digital interactive portfolios containing an appropriate body of work that demonstrates to a potential employer that the student is ready to make the transition to the professional workplace. Coursework requirements include job searches and actual job applications. Satisfactory/Unsatisfactory grading.

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<th>Term(s)</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>PRL 499</td>
<td>Senior Competency Seminar</td>
<td>No</td>
<td>Spring</td>
<td>Prereq: PRL 221, 222, 333, 334, &amp; 480</td>
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<td>Coreq: PRL 495</td>
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A comprehensive exam over major aspects of the study of public relations. A minimum grade of 60 is required. If the minimum grade is not achieved, one retake may be permitted if Pulliam School faculty members judge the first attempt to be an earnest effort with a score reasonably close to the required minimum.

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<tr>
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<th>Course Title</th>
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<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>SNR/SNT 489</td>
<td>Senior Year Internship/Project</td>
<td>4-12</td>
<td>Fall, Immersive, Spring, Summer</td>
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</tbody>
</table>

A practical professional experience in public relations. In special circumstances, and with permission of a majority of Pulliam School faculty, a significant experience in mass media, and not specifically in public relations, may be accepted. Pass/Fail grading.
Religion

**Department:** Philosophy and Religion  
**Department Chair:** J. Alexander  
**Department Members:** J. Alexander, N. Dular

**Major:** Religious Studies (Optional Track: Religion and Nonprofits)  
**Minor:** Religious Studies

The Franklin College religious studies program is designed to provide students with the opportunity to study religion as a response to the basic question of human life, to become familiar with the religious perceptions and practices in Western and Eastern cultures, and to develop their own theological understandings and responses.

The program acquaints students with the diverse traditions of the world religions, explores the various dimensions of the phenomenon of religion, and provides insights into the spiritual quest for the “Divine” or the “Holy.”

Students will gain a foundational knowledge of major religious traditions, a substantive and applied knowledge of the major religious questions, and be able to analyze religious expressions in this culture and in the global community.
**Religious Studies Major**

A major in religious studies is intended to prepare students for entrance into the field of church vocations (pastorate, Christian education, counseling), the nonprofit sector, or for graduate work in preparation for teaching religion on a college or university level. REL 340, 350, 470 and 490 require consent of the instructor or specified prerequisites. Courses numbered 400 are not available to first-year students. All other religious studies courses are available as electives to all students. All prerequisites require a C- or better. The major in religious studies consists of 26 semester hours in religious studies, plus 12 semester hours in supporting fields.

**Core Requirements**
- REL 114 Introduction to Religion
- REL 310 Historical Faith and Modern Culture
- REL 365 Philosophy of Religion
- REL 499 Senior Competency Practicum

**Professional Development Requirements**
- PDP 200 Preparing for Your Internship
- REL 498 Portfolio Development Practicum
- SNR/SNT 489 REL Senior Year Experience/Project

**One of the following courses**
- REL 220 Old Testament Life and Literature
- REL 230 New Testament Life and Literature

**One of the following courses**
- REL 250 Living Religions East
- REL 260 Living Religions West

**Plus additional Religion coursework to meet the minimum requirement of 26 credit hours**

**Related Field Requirement**

Twelve semester hours to be approved by the department and submitted in writing to the Academic Records Office. All related field courses require a C- or better.
**Religious Studies Major – Religion and Nonprofits Track**

**Core Requirements**
- REL 114 Introduction to Religion
- REL 310 Historical Faith and Modern Culture
- REL 499 Senior Competency Practicum

**Professional Development Requirements**
- PDP 200 Preparing for Your Internship
- REL 498 Portfolio Development Practicum
- SNR/SNT 489 REL Senior Year Experience/Project

**One of the following courses**
- REL 220 Old Testament Life and Literature
- REL 230 New Testament Life and Literature

**One of the following courses**
- REL 250 Living Religions East
- REL 260 Living Religions West

**One of the following courses**
- REL 215 Religion in America I: History of Religion in America
- REL 225 Religion in American II: Contemporary Religious Experience

**All of the following courses**
- NPL 222 Social Problems and Nonprofit Responses
- NPL 230 Introduction to Nonprofits
- NPL 315 Nonprofit Leadership Capstone
- REL 240 Giving in Religion
- REL 490 Independent Study – research topic concerning Religion and Philanthropy (1 credit)

**Religious Studies Minor**

**Core Requirements**
- REL 114 Introduction to Religion
- REL 490 Independent Study (two hours - relating religious studies to some aspect of the student’s major)

**One of the following courses**
- REL 220 Old Testament Life & Literature
- REL 230 New Testament Life & Lit

**One of the following courses**
- REL 310 Historical Faith & Mod. Culture
- REL 360 Contemporary Christian Thought
- REL 365 Philosophy of Religion

**Plus additional Religion coursework to meet the minimum requirement of 20 credit hours**
## Religious Studies Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
<th>Co-requisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 114</td>
<td>Introduction to Religion</td>
<td>4</td>
<td>Fall and Spring</td>
<td>Reasoning &amp; Values exploratory</td>
</tr>
<tr>
<td></td>
<td>An exploration of introductory topics in religious studies: the origins of</td>
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<tr>
<td></td>
<td>religion, God, the problem of evil, revelation and scripture, morality, and</td>
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<tr>
<td></td>
<td>religious experience.</td>
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<tr>
<td>REL 210</td>
<td>Religion and the Environment</td>
<td>3</td>
<td>Fall and Spring</td>
<td>Reasoning &amp; Values exploratory</td>
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<tr>
<td></td>
<td>This course is a study of the relationship between religion and the</td>
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<td></td>
<td>environment. It will explore the connection between religious faith</td>
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<td></td>
<td>tradition(s) and the environmental problems that challenge sustainability in</td>
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<td></td>
<td>God’s creation. Course is open to first-year students.</td>
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<tr>
<td>REL 215</td>
<td>Religion in America I: History of Religion in America</td>
<td>4</td>
<td>Fall, even academic years</td>
<td>Reasoning &amp; Values exploratory</td>
</tr>
<tr>
<td></td>
<td>Why is the United States the most religiously active and religiously</td>
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<td>diverse nation in the world? How has religion shaped the nation’s</td>
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<td>democratic society? This course examines the role of religion in the United</td>
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<td></td>
<td>States from its founding, through the beginnings of the 20th century.</td>
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<td></td>
<td>Students will explore the nation’s major religious movements, the</td>
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<td></td>
<td>relationship of politics and religion, as well as important national</td>
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<tr>
<td></td>
<td>debates that have highlighted the tension between religious ideology and</td>
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<tr>
<td></td>
<td>scientific theory. Open to all students.</td>
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</tr>
<tr>
<td>REL 220</td>
<td>Old Testament Life and Literature</td>
<td>3</td>
<td>Fall</td>
<td>Reasoning &amp; Values exploratory</td>
</tr>
<tr>
<td></td>
<td>A study of the literature of the Old Testament as this literature arose</td>
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<td></td>
<td>in the historical experience of the people Israel.</td>
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<tr>
<td>REL 225</td>
<td>Religion in America II: Contemporary Religious Experience</td>
<td>4</td>
<td>Fall, odd academic years</td>
<td>Reasoning &amp; Values and Diversity exploratories</td>
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<tr>
<td></td>
<td>Religion has always been a dynamic influence on American culture, but the</td>
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<td>20th century has seen American religion respond to national financial</td>
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<td>desperation, multiple international conflicts, and a host of civil rights</td>
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<td>issues. As a result, religion has undergone significant change in America,</td>
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<td></td>
<td>and has likewise changed American culture. This course examines the role of</td>
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<tr>
<td></td>
<td>religion in the United States throughout the most turbulent and inspiring</td>
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<td></td>
<td>eras of the 20th century and emphasizes the writings of religious figures</td>
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<tr>
<td></td>
<td>at the center of those cultural shifts. Open to all students.</td>
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</tr>
<tr>
<td>REL 230</td>
<td>New Testament Life and Literature</td>
<td>3</td>
<td>Spring</td>
<td>Reasoning &amp; Values exploratory</td>
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<tr>
<td></td>
<td>A study of the literature of the New Testament, particularly as this</td>
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<td></td>
<td>literature reveals the early church’s understanding of Jesus and the</td>
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<td></td>
<td>Christian faith.</td>
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<tr>
<td>REL 240</td>
<td>Giving in Religion</td>
<td>3</td>
<td>Fall, even academic years</td>
<td>Reasoning &amp; Values exploratory</td>
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<tr>
<td></td>
<td>This course explores how different religious traditions understand the</td>
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<td></td>
<td>importance of giving and the relationships that the offering of “time,</td>
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<td></td>
<td>talent, and treasure” promote between the divine and humanity. The course</td>
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<tr>
<td></td>
<td>will focus on religious understandings of volunteerism through a variety of</td>
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<tr>
<td></td>
<td>service projects with members of different religious traditions as well as</td>
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<tr>
<td></td>
<td>on religion in faith-based organizations. Open to all students.</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Hours</td>
<td>Semester</td>
<td>Reasoning &amp; Values Exploratory</td>
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<tr>
<td>REL 250</td>
<td>Living Religions East</td>
<td>4</td>
<td>Spring, even years</td>
<td>Reasoning &amp; Values exploratory</td>
</tr>
<tr>
<td>REL 260</td>
<td>Living Religions West</td>
<td>4</td>
<td>Spring, odd years</td>
<td>Reasoning &amp; Values exploratory</td>
</tr>
<tr>
<td>REL 300</td>
<td>Topics in Religion</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REL 310</td>
<td>Historical Faith and Modern Culture</td>
<td>4</td>
<td>Spring, even years</td>
<td></td>
</tr>
<tr>
<td>REL 325</td>
<td>Theories of Religion</td>
<td>2</td>
<td>Spring, odd years</td>
<td>Prereq: PHL 116 or REL 114</td>
</tr>
<tr>
<td>REL 350</td>
<td>Life of Jesus and Gospel Formation</td>
<td>2</td>
<td>Fall, odd years</td>
<td>Prereq: REL 230</td>
</tr>
<tr>
<td>REL 360</td>
<td>Contemporary Christian Thought</td>
<td>4</td>
<td>Spring, even years</td>
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<tr>
<td>REL 365</td>
<td>Philosophy of Religion</td>
<td>4</td>
<td>Fall, even years</td>
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<tr>
<td>REL 470</td>
<td>Seminar: Themes in Religious Inquiry</td>
<td>3</td>
<td></td>
<td>Prereq: consent of instructor</td>
</tr>
</tbody>
</table>
REL 482 Religion Practicum  1-2 credit hours
Prereq: consent of instructor
A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.

REL 490 Independent Study  1-2 credit hours
Prereq: Departmental consent
An academic project designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings.

REL 498 Portfolio Development Practicum  No credit
Coreq: REL 499 and SNR/SNT 489
Each student must develop a portfolio containing an appropriate body of work that, by the time of graduation, demonstrates the student is ready to make the transition to the professional workplace or graduate school. The specific format and content of the portfolio is determined through consultation of the student with the department and by attending appropriate sessions of PDP 200. REL 498 is one component of the SNR/SNT 489 requirement. Portfolios will receive either a passing or failing grade.

REL 499 Senior Competency Practicum  No credit
Coreq: REL 498 and SNR/SNT 489
Taken concurrently with SNR/SNT 489 (REL), but may include at the department’s discretion a multiple-hour comprehensive essay examination covering topics in religious studies (biblical studies, historical theology, systematic theology, comparative religions, and philosophic theology) depending on the student’s transcript. A grade of C or better is required for graduation.

SNR/SNT 489 REL Senior Year Experience/Project  2 credit hours
Coreq: REL 498 and REL 499
Franklin College requires a senior year experience (SNT 489) of all graduating seniors. A portfolio, some participation in PDP 200 and a practical professional development experience related to the field of religion and the student’s future plans are normal components. Options for completing this requirement will be as determined for each student in consultation with the department.
Sociology

Department: Sociology
Department Chair: J. Jimerson
Department Members: J. Jimerson, Z. Tang

Major: Sociology (Optional Track: Criminal Justice)
Minors: Nonprofit Leadership, Sociology

Sociology students study how people interact. They also learn how social interactions influence individual actions (such as suicide) and vice versa. By learning to scientifically analyze, evaluate, and interpret social phenomena, students gain skills that will benefit themselves and others.

The Franklin College Sociology Department teaches students the fundamentals of sociology. First, Introduction to Sociology presents new ways of looking at the world. Next, intermediate courses teach students to analyze institutions, such as Marriage and Family, as well as phenomena, such as Stratification. In our final courses, Sociological Theory and Research Methods, students integrate and apply what they have learned. These courses prepare sociology students for careers and citizenship by giving them a deep and broad education.

Sociology students may also specialize in Criminal Justice or Nonprofit Leadership. To specialize in Criminal Justice, students must take Criminal Justice, Criminology, Corrections, and related courses. To specialize in Nonprofit Leadership, they must take Introduction to Nonprofits, Social Problems and Nonprofit Responses, and the Nonprofit Leadership Capstone in addition to other courses. These courses prepare students for more careers in helping professions.

Finally, sociology majors must participate in professional development activities, internships, and other co-curricular or community-based experiences. Sociology prepares students for life after college.

All courses must be completed with a grade of C- or better.
**Sociology Major**

**Core requirements**
- SOC 118 Introduction to Sociology
- SOC 224 Basic Applied Statistics
- SOC 227 Inquiry in the Social Sciences
- SOC 422 Sociological Theory
- SOC 425 Research Methods I
- SOC 427 Research Methods II
- SOC 499 Senior Comp Practicum

**One course from each of the following categories**

**Category A**
- SOC 319 Gender and Sexualities
- SOC 325 Power, Wealth, and Poverty
- SOC 330 Global Transformations

**Category B**
- SOC 230 Introduction to Nonprofits
- SOC 221 Marriage and Family
- SOC 323 Organizations
- SOC 340 Corrections

**Category C**
- SOC 220 Gerontology
- SOC 222 Social Problems and Nonprofit Responses
- SOC 321 Criminology

**Senior Year Experience**
- PDP 200 Preparing for Your Internship
- SNT 489 Senior Year Internship
- SOC 482 Sociology Practicum

**Related Field requirements**
Note: Students who declare a minor (in Nonprofit Leadership or any other minor) OR the Criminal Justice Track do NOT need additional related field requirements. Students who do NOT declare one of these options must complete a minimum of 12 semester hours 200-level or above from a related field defined in consultation with his/her advisor and approved by the Registrar. A grade of C- or better is required for all related field courses.
**Sociology Major: Criminal Justice Track**

**Core requirements**
Same as for the sociology major listed on preceding page minus the related field requirements

**All of the following courses**
- POL 110 American National Government*
- POL 420 American Constitutional Law II
- SOC 210 Criminal Justice
- SOC 321 Criminology
- SOC 340 Corrections

**One of the following courses**
- POL 225 State and Local Government
- POL 275 Law and Politics in American Society
- PSY 240 Abnormal Psychology
- PSY 320 Social Psychology
- SOC 323 Organizations

**Sociology Minor**

**Core Requirements**
- SOC 118 Introduction to Sociology

**Four additional SOC courses, two of which must be 300-level or higher**

**Nonprofit Leadership Minor**

**Core Requirements**
- BUS 101 Introduction to the Business Mindset
- LEA 100 Introduction to Personal Leadership Skills
- NPL 222 Social Problems & Nonprofit Responses
- NPL 230 Introduction to Nonprofits
- NPL 315 Nonprofit Leadership Capstone

**One of the following courses**
- BUS 371 Operations Management
- LEA course number 200-level or higher
- SOC 323 Organizations
Sociology Course Descriptions

**SOC 118 Introduction to Sociology**

4 credit hours

- Fall and Spring
- Human Behavior exploratory

Methods, theories, principles, and concepts that have resulted from the scientific analysis of human interaction. Emphasis is given to the structural and cultural aspects of society and to the complex ways in which various environments influence human development and behavior. Not an appropriate exploratory course for junior and senior non-majors. Prerequisite for most other courses in sociology.

**SOC 210 Criminal Justice**

4 credit hours

- Fall
- Diversity & Civic Learning exploratories

This course introduces students to this history, philosophy, structure, functions, and operation of the U.S. criminal justice system. This course also examines how that criminal justice system interacts with race, class, gender, and other forms of social stratification.

**SOC 220 Gerontology**

4 credit hours

- Spring, odd academic years

Prereq: PSY 117 or SOC 118

An analysis of the process of aging, which will utilize social, psychological, and structural approaches to gain an understanding of the unique problems which confront the elderly in modern society. Course goals also include the development or refinement of specific skills and techniques for studying or working with older adults through a substantive experiential learning component. Same as PSY 220.

**SOC 221 Marriage and the Family**

4 credit hours

- Fall, odd academic years

Prereq: SOC 118

The institutions of marriage and family are explored. Special consideration is given to the social, cultural, and economic forces that influence trends in family structure and family functioning. Cross-cultural and subcultural comparisons are often made to show the socially constructed aspects of family.

**SOC 222 Social Problems and Nonprofit Responses**

4 credit hours

- Spring, even academic years

Prereq: SOC 118

An analysis of the nature, causes, and responses to social and cultural problems such as hunger, homeless, illiteracy, drug addiction, or domestic violence. Attention will be paid to framing of these phenomena as problems. Will also address major role of the nonprofit sector in alleviating these problems with attention to effectiveness of service programs. Same as NPL 222.

**SOC 224 Basic Applied Statistics**

3 credit hours

- Fall and Spring
- Fulfills LA 103 requirement

Prereq: one of the following: CMP 130, LA 103, MAT 131, MAT 135, MAT 181, or placement in MAT 135/181

An introduction to statistical reasoning for students in life and social sciences using the computer as a tool to analyze data. Data reduction, probability concepts, sampling theory, hypothesis testing, estimation, chi-square, t-test, analysis of variance, correlation and regression, and some non-parametric tests are included. Does not count towards a mathematics major. Same as MAT 224. Students cannot receive credit for both.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 227</td>
<td>Inquiry in the Social Sciences</td>
<td>3</td>
<td>Spring</td>
<td>Prereq: POL 110, POL 120, POL 130 or SOC 118 or consent of instructor</td>
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<td>This course will introduce students to qualitative and quantitative research. Students will learn to ask and answer questions as a social scientist and apply these skills to explore a contemporary topic. Students will also learn how to format research papers and analyze data. Students should take this course before taking advanced social science research courses.</td>
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<tr>
<td>SOC 230</td>
<td>Introduction to Nonprofits</td>
<td>4</td>
<td>Fall</td>
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<td>This course provides an overview of the nonprofit sector in American society. Attention will be given to the widely varied roles that nonprofit organizations play in responding to social issues and the interplay between nonprofits, business, and government in this broad mission. Students will be introduced to the functions and operation of a nonprofit organization including program development and measurement, fundraising, volunteer management, board governance and management of staff and finances. Same as NPL 230.</td>
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<tr>
<td>SOC 240</td>
<td>Sociology of Sport</td>
<td>4</td>
<td>On demand</td>
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<td>In this course, students will: (1) study the history of sports; (2) examine how people use sports to socialize adults and children; (3) investigate corruption in sports (e.g., cheating, gambling, and winning at all costs); and (4) study stratification in sports, particularly racial, class, and gender inequalities in American athletics. By taking this critical approach, students will learn about progress, inside and outside of sports.</td>
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<tr>
<td>SOC 300</td>
<td>Topics in Sociology</td>
<td>1-3</td>
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<td>Prereq: SOC 118</td>
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<td>A topic of current interest in sociology will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.</td>
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<tr>
<td>SOC 315</td>
<td>Nonprofit Leadership Capstone</td>
<td>4</td>
<td>Spring, odd academic years</td>
<td>Civic Learning exploratory</td>
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<td></td>
<td>Prereq: NPL/SOC 230</td>
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<td>This course provides an integrative experience linking the student’s leadership skills and liberal arts preparation to the learning in her/his major field of study. Specifically, the capstone experience will involve direct student participation working with a non-profit organization and that organization’s board. Students in the course must develop a project(s) to be carried out with the non-profit. The project will culminate with a public event or presentation. The capstone project must be reviewed and approved by the course instructor and at least one representative of the Engaged Learning Team. Total course experience brings opportunity to think independently, lead responsibly, and serve with integrity. Same as NPL/LEA 315.</td>
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<tr>
<td>SOC 319</td>
<td>Gender and Sexualities</td>
<td>4</td>
<td>Fall, even academic years</td>
<td>Prereq: SOC 118</td>
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<td>This course provides an overview of theoretical and empirical work in the sociology of sex, gender, and sexuality. The course will also address various facets of the subject including ways that social, cultural, and legal status influence individual experiences and outcomes. Attention is paid to the social construction/control of gender, transgender, and multiple sexualities. Same as WST 319.</td>
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</tr>
</tbody>
</table>
SOC 321 Criminology 4 credit hours
Spring
Prereq: SOC 118 or consent of instructor
A study of the social, cultural, and psychological process involved in the creation of deviance; attention is given to the nature of criminal law, to the various forms of social control which society uses in its attempts to cope with and prevent crime, and to the consequences of social typing on those so typed.

SOC 323 Organizations 4 credit hours
Spring
Prereq: SOC 118 or consent of instructor
An introduction to the study of formal or complex organizations; the variables which affect the structure of formal organizations; types of organizations, the relationship between formal and informal organization and alternative organizations.

SOC 325 Power, Wealth, and Poverty 4 credit hours
Spring, even academic years
Prereq: SOC 118
An examination and analysis of major concepts, theories, methods, and research findings in the field of social stratification. Stratification is presented as a result of unequal distribution of everyday life necessities such as social and political power, land, food, and shelter.

SOC 330 Global Transformations 4 credit hours
Spring, odd academic years
International exploratory
Prereq: SOC 118
This course examines the historical, political, and economic factors contributing to globalization, as well as the social consequences of recent political, economic, and environmental change. It focuses in particular on how new forms of global production and networking are transforming the traditional role of the nation-state, creating new dynamics of wealth distribution in the global economy, influencing international migration patterns. Additionally, it examines the way in which globalization processes are generating new sources of social conflict and collective action, including transnational social movements.

SOC 340 Corrections 4 credit hours
Fall
Prereq: SOC 118 & either SOC 210 or SOC 321
History, philosophy, practice, and evaluation of noncustodial and custodial sanctions in formal social control systems. This course studies a wide range of correctional treatments such as diversion programs and restorative justice, probation/parole and intermediate sanctions, incarceration, and the death penalty. Special attention will be given to juvenile corrections and cross-cultural perspectives.

SOC 422 Sociological Theory 4 credit hours
Fall
Prereq: SOC 118
A consideration of the nature and purpose of sociological theory and its relationship to empirical research. The course will consider the theories of major sociological thinkers, past and present. Students should take this course during the junior year.

SOC 425 Research Methods I 4 credit hours
Fall
Prereq: SOC 118 & SOC 227
An introduction to the design and methods employed in modern sociological research. Students are required to plan a research project and to conduct an intensive review of the literature on that topic.

SOC 427 Research Methods II 4 credit hours
Spring
Prereq: SOC 224, SOC 227 & SOC 425
Continued consideration of the design and methods employed in modern sociological research begun in SOC 425. Students are required to carry out the research project proposed in SOC 425, under the supervision of the instructor.
SOC 482 Sociology Practicum  
1 credit hour  
Spring

A thoughtful reflection on an internship experience. Designed to provide students the opportunity to communicate their sociological interpretations of their real-world learning. This course meets the senior year portfolio requirement for graduation.

SOC 490 Independent Study  
1-2 credit hours  
Prereq: departmental consent

Courses are designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings.

SOC 499 Senior Competency Practicum  
No credit

Students are required to develop a written report which requires the application of sociological concepts, sociological theory, and social methods to a current social issue. A grade of C- or better is required for graduation.

SNR/SNT 489 (SOC) Senior Project/Internship  
3-12 credit hours

This course provides professional development, usually off-campus. Students gain practical experience by performing edifying tasks in specialized settings. Students must obtain approval prior to beginning an internship, keep a written record of observations and activities for each day at the internship, and write an analysis of the internship that must be given to his or her advisor. Students may receive one-hour of credit for every thirty hours of work at the internship site.

GEO 220 Human World Geography  
3 credit hours  
Fall and spring  
Diversity & Human Behavior exploratories

Explores the nature of human social behaviors through the study of “diverse focus countries” recognizing recurring patterns in behavior and the forces that shape them. Students will understand how people as well as countries communicate ideas and attempt to solve problems. This course is taught through a lens of current events in the 21st century examining various diverse regions around the globe and how the cultures within those regions live and interact. Human elements of population, cultural inheritance, and accomplishments are studied as these interrelate with the physical elements. Education majors will create a project using the five themes of geography (location, place, human/environmental interaction, movement, and regions).

Nonprofit Leadership Courses

NPL 222 Social Problems and Nonprofit Responses  
4 credit hours  
Spring, even academic years

An analysis of the nature, causes, and responses to social and cultural problems such as hunger, homeless, illiteracy, drug addiction, or domestic violence. Attention will be paid to framing of these phenomena as problems. Will also address major role of the nonprofit sector in alleviating these problems with attention to effectiveness of service programs. Same as SOC 222.
**NPL 230 Introduction to Nonprofits**  
4 credit hours  
Fall  

This course provides an overview of the nonprofit sector in American society. Attention will be given to the widely varied roles that nonprofit organizations play in responding to social issues and the interplay between nonprofits, business, and government in this broad mission. Students will be introduced to the functions and operation of a nonprofit organization including program development and measurement, fundraising, volunteer management, board governance and management of staff and finances. Same as SOC 230.

**NPL 315 Nonprofit Leadership Capstone**  
4 credit hours  
Spring, odd academic years.  
Civic Learning exploratory  
Prereq: NPL/SOC 230 & LA 101, 102, 103, 111, & 201  

This course provides an integrative experience linking the student’s leadership skills and liberal arts preparation to the learning in her/his major field of study. Specifically, the capstone experience will involve direct student participation working with a non-profit organization and that organization’s board. Students in the course must develop a project(s) to be carried out with the non-profit. The project will culminate with a public event or presentation. The capstone project must be reviewed and approved by the course instructor and at least one representative of the Engaged Learning Team. Total course experience brings opportunity to think independently, lead responsibly, and serve with integrity. Same as SOC/LEA 315.

**NPL 485 Communications Consulting Project**  
3 credit hours  
Fall, senior year  
Civic Learning exploratory  
Prereq: LA 201 & senior standing, or instructor permission  

An examination of the ways in which students can apply their skills in the workplace and serve their communities. Students will work in teams on a communications consulting project for a local nonprofit or similar organization. Special emphasis given to professional development skills, particularly communication, project management, and consulting. Same as ENG 485.
Spanish

Department: Modern Languages
Department Chair: S. Colburn-Alsop
Department Members: D. Alsop, J. Brown, S. Colburn-Alsop, A. Formoso-Mayán, and K. Wasielewski

Major: Spanish
Minor: Spanish

The challenges of today’s world require men and women educated within a multilingual and multicultural perspective.

The department of modern languages is dedicated to meeting those challenges by offering programs that open career opportunities in journalism, international business, law, Foreign Service, social and medical services, tourism, and teaching.

The department offers majors and minors in French and Spanish. The possibility of pursuing an individualized minor in language studies or other related areas can be investigated through the individualized minor program.

One semester of a modern foreign language at the 210 course level or higher will satisfy the international exploratory requirement. One semester of a modern foreign language at the 211 course level will satisfy the diversity exploratory requirement.

Advanced Placement
Students who upon matriculation do not demonstrate proficiency equivalent to satisfactory completion of a Franklin College foreign language course numbered 111 or higher or the equivalent at another institution must complete such a course prior to graduation. If a student takes the French or Spanish placement test and places above the first-semester level, the student is eligible to receive credits for the courses below the level into which they placed, provided they successfully complete with a C- or above, at Franklin College, the course into which they placed. Students may earn up to 12 hours for French or Spanish placement. Example: Students who place into the 300 level of Spanish will receive 12 credit hours for SPA 111, 210 and 211 upon the successful completion of a 300-level course by earning a grade of C- or better. Students who place into the 200 level of Spanish will receive eight credit hours for SPA 110 and 111 upon the successful completion of a 200-level course by earning a grade of C- or better. Credits for SPA 210 and 211 count toward the Spanish major and minor and toward the 120 credit hours required for graduation. Advanced Placement credit for SPA 210 will fulfill the International exploratory, and Advanced Placement credit for SPA 211 will fulfill the Diversity exploratory. Credits for SPA 110 and SPA 111 only apply toward the 120 credit hours needed for graduation.

Helpful Notes
- Majors and minors must receive a grade of C- or better in all classes.
- The Advanced Skills courses (AS) can be taken in any order.
- The prerequisite for any Advanced Culture/Literature (CL) course is SPA 315, unless the student receives departmental approval.
- SPA 300 Topics in Spanish may be taken more than once as long as topic differs. Depending on topic, it may count as Advanced Skills or Advanced Culture/Literature, as indicated in the individual course description.
Spanish Major
The minimum requirement for a foreign language major is 28 semester hours, numbered above 111. The advanced courses, SPA 300 and above, are structured in two tiers, Advanced Skills (AS) and Advanced Culture/Literature (CL), which are designated in the list below. Students must take at least two Advanced Culture/Literature courses (CL) on the Franklin College campus or an approved campus exchange course and must receive a grade of C- or better in all 28 semester hours. The courses chosen by the student for the related field requirement must have department approval.

A maximum of 8 hours of transfer credit, AP credit, and/or advance-placement credit can be applied to the 28 hours of coursework at the 200-level or above required for the Spanish major. In order to complete the Spanish major, students must complete at least 20 credit hours of Spanish coursework at the 200-level or above at Franklin College, including two Culture/Literature classes. A Spanish major completing a semester or more of approved study abroad can apply up to 8 additional credit hours as determined by the department toward the total 28 credit hours required for the major. Only 4 of the possible 8 hours can be applied to the Culture/Literature requirement; the remaining 4 must be completed at Franklin College.

Minimum of 28 credit hours from the following

Required Courses (AS = Advanced Skills, CL = Culture Literature)
- SPA 210 Intermediate Spanish
- SPA 211 Intermediate Reading, Writing, and Discussion
- SPA 315 Advanced Grammar and Composition (AS)

Four courses from this group, two of which must be CL courses:
- SPA 300 Topics in Spanish (AS)
- SPA 312 Pronunciation for Communication (AS)
- SPA 313 Altruism and Civic Engagement in Latino Communities (AS)
- SPA 314 Spanish in the Work World (AS)
- SPA 316 One-Act Plays for Fluency (AS)
- SPA 317 Hispanic Visual Arts (AS)
- SPA 318 Hispanic Civilization and Culture (AS)
- SPA 330 Border Crossings (CL)
- SPA 331 Uncovering Latin America: Getting to Know the Unknown (CL)
- SPA 332 Love, Lust, God: Masterpieces of Spanish Literature (CL)
- SPA 334 Masterpieces of Spanish-American Literature (CL)
- SPA 337 Golden Age of Spanish Literature (CL)

All of the following courses
- PDP 200 Preparing for Your Internship
- SNR/SNT 489 SPA Senior Year Internship/Project
- SPA 498 Portfolio
- SPA 499 Senior Essay

At least one of the following immersive experiences
- SPA 313 Altruism and Civic Engagement in Latino Communities (AS)
- SNT 489 Program-approved internship/project requiring direct engagement with Spanish language and/or Latino culture

Program-approved study abroad in a Spanish-speaking country
Related field

12 credit hours - courses chosen must have department approval and be submitted to the Academic Records Office. All related field courses must be completed with a grade of C- or better.

Spanish Minor

The minimum requirement for a Spanish minor is 20 semester hours, numbered above 111. The advanced courses, SPA 300 and above, are structured in two tiers, Advanced Skills (AS) and Advanced Culture/Literature (CL), which are designated in the list below. Students must receive a grade of C- or better in all 20 semester hours.

A maximum of 8 hours of transfer credit, AP credit, advance-placement credit, and/or study-abroad credit can be applied to the 20 hours of coursework at the 200-level or above required for the Spanish minor. In order to complete the Spanish minor, students must complete at least 12 credit hours of Spanish coursework at the 200-level or above at Franklin College.

Required Courses (AS = Advanced Skills, CL = Culture Literature)

SPA 210 Intermediate Spanish
SPA 211 Intermediate Reading, Writing, and Discussion
SPA 315 Advanced Grammar and Composition (AS)

Two courses from this group

SPA 300 Topics in Spanish (AS/CL)
SPA 312 Pronunciation for Communication (AS)
SPA 313 Altruism and Civic Engagement in Latino Communities (AS)
SPA 314 Spanish in the Work World (AS)
SPA 316 One-Act Plays for Fluency (AS)
SPA 317 Hispanic Visual Arts (AS)
SPA 318 Hispanic Civilization and Culture (AS)
SPA 330 Border Crossings (CL)
SPA 331 Uncovering Latin America: Getting to Know the Unknown (CL)
SPA 332 Love, Lust, God: Masterpieces of Spanish Literature (CL)
SPA 334 Masterpieces of Spanish-American Literature (CL)
SPA 337 Golden Age of Spanish Literature (CL)
Spanish Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 110</td>
<td>Elementary College Spanish I</td>
<td>4</td>
<td>Fall</td>
</tr>
<tr>
<td></td>
<td>Designed to provide students with a basic knowledge and comprehension of Spanish, with some degree of facility in conversation. Emphasis on Hispanic culture.</td>
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<tr>
<td>SPA 111</td>
<td>Elementary College Spanish II</td>
<td>4</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td>Continuation of SPA 110. Prereq: C- or better in SPA 110 or equivalent</td>
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<td></td>
</tr>
<tr>
<td>SPA 210</td>
<td>Intermediate Spanish</td>
<td>4</td>
<td>Fall</td>
</tr>
<tr>
<td></td>
<td>Spanish 210 is the first course at the intermediate level of university Spanish. This course will focus on fomenting and polishing speaking, listening comprehension, reading, and writing skills in the target language.</td>
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<tr>
<td>SPA 211</td>
<td>Intermediate Reading, Writing, and Discussion</td>
<td>4</td>
<td>Spring</td>
</tr>
<tr>
<td></td>
<td>Designed for students continuing study in Spanish language and literature, will focus on speaking, listening comprehension, reading, and writing skills in the target language through a wide variety of large-group, small-group, and individual activities. Special attention will be devoted to discussion and analysis of short Hispanic literary pieces and films, culminating in the opportunity to learn how to write an organized, thoughtful literary essay about one of the reading or film selections. Strongly recommended by the department as part of a related field for students whose major is in the humanities and who plan to pursue graduate work.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPA 300</td>
<td>Topics in Spanish</td>
<td>2-4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A topic of current interest in Spanish will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPA 312</td>
<td>Pronunciation for Communication</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Combines study and practice of the sounds of the Spanish language with the development of communicational fluency through activities, such as tongue twisters, reading aloud, conversations with native speakers via Skype, etc. Fee: $60 for Skype conversation partner arrangement.</td>
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<td></td>
</tr>
</tbody>
</table>
### SPA 313 Altruism & Civic Engagement in Latino Communities

<table>
<thead>
<tr>
<th>Spring, odd academic years</th>
<th>Prereq: C- or better in SPA 211 or consent of instructor</th>
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</thead>
</table>

In this course we will meet two days per week (50 minutes) to read and discuss various essays, short stories, and novels from Hispanic literature that relate the subject to altruism and service. The readings will prepare students for their participatory experience in an organized service-learning activity that develops student civic responsibility and allows them to reflect on the service learning in such a way as to gain further understanding of the concept of altruism, an enhanced sense of personal responsibility and a better culture understanding of the Latino individuals with whom they work and collaborate. Class time will also be used to discuss the students’ reactions and reflections on the service-learning experience and how they relate their respective experiences to their class reading assignments. Note: The approach does not regard literature as sermons or didactic tests! The readings simply provide a platform for students to relate their own personal experiences to analysis of the literary works.

### SPA 314 Spanish in the Work World

<table>
<thead>
<tr>
<th>Spring, even academic years</th>
<th>Prereq: C- or better in SPA 211 or equivalent</th>
</tr>
</thead>
</table>

This course links the study of Spanish with many professions in business, communications, social services, education, health care, law, and much more. We will examine specific career options that encompass the Spanish language and study the corresponding work environment, culture, etiquette, and vocabulary associated with these areas. Each student will have the opportunity to explore how Spanish fits into his/her potential career choice.

### SPA 315 Advanced Grammar and Composition

<table>
<thead>
<tr>
<th>Fall</th>
<th>Prereq: C- or better in SPA 211 or equivalent</th>
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</thead>
</table>

The objective of this course is to work toward fluency in written Spanish through daily writing assignments, formal compositions, classroom discussions and small-group interaction. Further, study of advanced grammatical points is an essential component of this course to improve grammatical accuracy in writing.

### SPA 316 One-Act Plays for Fluency

<table>
<thead>
<tr>
<th>On demand</th>
<th>Prereq: C- or better in SPA 211 or equivalent</th>
</tr>
</thead>
</table>

Develops fluency in all four language skills utilizing one-act plays from Latin America. Includes discussion, writing, analysis and improvisational practice.

### SPA 317 Hispanic Visual Arts

<table>
<thead>
<tr>
<th>On demand</th>
<th>Prereq: C- or better in SPA 211 or consent of instructor</th>
</tr>
</thead>
</table>

This course expands students’ understanding and appreciation for Spanish-speaking cultures and communities through the study of the visual arts. It examines the ways in which the visual arts reflect history, society, class, and gender issues, and develops the understanding of art forms within specific cultural contexts. Students will develop all four language skills through analysis and discussion of the different cultural aspects studied, while further developing their historical and cultural knowledge.

### SPA 318 Hispanic Civilization and Culture

<table>
<thead>
<tr>
<th>On demand</th>
<th>Prereq: C- or better in SPA 211 or consent of instructor</th>
</tr>
</thead>
</table>

This course expands students’ understanding and appreciation for the Spanish-speaking world through the study of Hispanic culture and civilizations. Topics may include, but are not limited to, issues of colonization, self-representation, religion, gender, race, nationalisms, globalizations, and cultural appropriation from the interdisciplinary perspective. Students will develop all four language skills through analysis and discussion, while further developing their historical and cultural knowledge.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Availability</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPA 330 Border Crossings</strong></td>
<td>4 credit hours</td>
<td>Spring, odd academic years</td>
<td>Prereq: Successful completion of SPA 315 or consent of instructor</td>
<td>A multidisciplinary approach that considers U.S. Latinos Literature through the border metaphor, both literal (territorial or physical) and symbolic (social, cultural, textual). Readings are in English and Spanish; lectures and discussions are in Spanish.</td>
</tr>
<tr>
<td><strong>SPA 331 Uncovering Latin America: Getting to Know the Unknown</strong></td>
<td>4 credit hours</td>
<td>Spring, even academic years</td>
<td>Prereq: Successful completion of SPA 315 or consent of instructor</td>
<td>An in-depth contemporary study of four Spanish-American Cultures and Civilizations.</td>
</tr>
<tr>
<td><strong>SPA 332 Love, Lust, God: Masterpieces of Spanish Literature</strong></td>
<td>4 credit hours</td>
<td>Fall, odd academic years</td>
<td>Prereq: Successful completion of SPA 315 or consent of instructor</td>
<td>Analysis of the literary backgrounds of representative Spanish authors with assigned readings from these authors. Readings, lectures, and discussions are in Spanish.</td>
</tr>
<tr>
<td><strong>SPA 334 Masterpieces of Spanish-American Literature</strong></td>
<td>4 credit hours</td>
<td>Fall, even academic years</td>
<td>Prereq: Successful completion of SPA 315 or consent of instructor</td>
<td>Analysis of the literary backgrounds of representative authors of Spanish-American literature with assigned readings from these authors. Readings, lectures, and discussions are in Spanish.</td>
</tr>
<tr>
<td><strong>SPA 337 Golden Age of Spanish Literature</strong></td>
<td>3 credit hours</td>
<td>Offered on sufficient demand</td>
<td>Prereq: Successful completion of SPA 315 or consent of instructor</td>
<td>A selection of the masterpieces of this period are read and discussed in Spanish.</td>
</tr>
<tr>
<td><strong>SPA 482 Spanish Practicum</strong></td>
<td>1-2 credit hours</td>
<td></td>
<td></td>
<td>A supervised, pre-approved experience which allows a student to pursue specific learning goals and/or be involved in a field experience during the regular academic semester.</td>
</tr>
<tr>
<td><strong>SPA 490 Independent Study</strong></td>
<td>1-2 credit hours</td>
<td></td>
<td>Departmental consent is required</td>
<td>This course is designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings. The course will include directed reading and discussion of Spanish culture, language, and literature. Final examination or paper is required.</td>
</tr>
<tr>
<td><strong>SPA 498 Portfolio</strong></td>
<td>No credit</td>
<td>Fall</td>
<td></td>
<td>Students will save all components leading to their senior essay required in SPA 499; research, drafts, final copy. Contents may also include assignments and projects of the student’s choosing from other coursework. The portfolio is completed with assignments related to leadership and professional development from the PDP 200 course.</td>
</tr>
</tbody>
</table>
SPA 499 Senior Essay

Spring

Students will be required to research, write, and revise an essay on a topic relating to their course work at Franklin College. The topic must be approved by the modern languages department. Students will be required to present their essay at a session open to the college community. Students must receive a grade of C- or better in order to pass.

SNR/SNT 489 (SPA) Senior Year Internship/Project

1 credit hour

A one credit hour practicum that is set up with help from the Modern Languages Department. Possibilities include, but are not limited to: working in Spanish for a local business and helping with language programs at area schools. Students may not apply this one credit towards the 28-hours required for a major in Spanish. Note: If a student has a double major (i.e. Journalism and Spanish) and completes the internship in the other major, s/he is not required to complete another in Spanish.

LAN 120 Language Study

1-4 credit hours

Upon occasion, when qualified instructors are available and student demand is sufficient, courses in languages other than French or Spanish may be offered as approved by the Vice President of Academic Affairs. These courses will apply as elective credit toward graduation requirements.

LAN 300 Topics in Language

3 credit hours

International or Civic Learning exploratory (pending topic approval)

A topic of current interest in language, other than French or Spanish, will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs. Depending on the topic and/or level of the course, LAN course may satisfy the international or civic learning exploratory requirement.
Sports Communication

**Director:** J. Krull  
**Department Chair:** J. Cramer  
**Faculty:** J. Cramer, J. Krull  

**Major:** Sports Communication  
**Minors:** Multimedia Journalism, Rhetoric, Visual Communications (See Multimedia Journalism section)

The Pulliam School of Journalism prepares students for careers in which news is delivered through multiple media platforms: online, on-air, in print. Through classroom, lab and professional field experiences, students are engaged and immersed in the exhilarating practice of news reporting. The multimedia focus of the major means that students become proficient in reporting, writing, editing and producing accurate, ethical and meaningful stories for print, broadcast and, especially, online/digital news outlets.

**Major Requirements**
All courses for the major must be completed with a grade of C- or better. A grade of C- or better is required for all pre-requisite courses regardless of academic major.


**Sports Communication Major**

**Core Requirements**
- SPR 101 Sports in Society
- SPR 115 Reporting, Interviewing and Newswriting
- SPR 135 Editing for Print and Digital Online
- SPR 150 Introduction to Digital Photography and Audio Reporting
- SPR 155 Video for Digital Journalism I
- SPR 180 Publication Design
- SPR 200 Game Coverage
- SPR 255 Video for Digital Journalism II
- SPR 301 Covering Economics and Public Policy in Sports
- SPR 302 Covering Lifestyle and Outdoor Sports
- SPR 303 Sports Information and Public Relations
- SPR 445 Communication Law in a Digital World

**Professional Development**
- SPR 120 Ethics and Professional Development
- SPR 498 Senior Portfolio
- SPR 499 Senior Project

**Plus two courses from the following:**
- PED 333 Coaching Baseball and Softball
- PED 334 Coaching Basketball
- PED 335 Coaching Football
- PED 336 Coaching Volleyball
- PED 337 Coaching Track and Field
- PED 338 Coaching Soccer
- PED 339 Coaching Swimming

**Related Field Requirements**

Twelve semester hours from ONE field outside SPR. All courses used to satisfy the related field requirement must be completed with a grade of C- or better.
### Sports Communication Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Terms</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPR 101</td>
<td>Sports in Society</td>
<td>3</td>
<td>Fall and Spring</td>
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<tr>
<td></td>
<td>An exploration of new and ongoing issues involving amateur and professional sports. Focus in on the ramifications of sports as a prominent presence across mass media platforms. Also includes study of socio-economic factors related to sports, including gender and racial discrimination/stereotyping.</td>
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<tr>
<td>SPR 115</td>
<td>Multimedia Reporting and Interviewing</td>
<td>3</td>
<td>Fall and Spring</td>
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<td></td>
<td>This course will focus on the processes of news and information gathering making use of different media platforms. Students will learn the techniques of interviewing and will learn to challenge the information they gather. The emphasis will be on developing reporting skills so students can gather accurate information. Same as MMJ 115.</td>
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<tr>
<td>SPR 120</td>
<td>Ethics and Professional Development</td>
<td>2</td>
<td>Fall and Spring</td>
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<tr>
<td></td>
<td>An introduction to basic aspects of professionalism required of multimedia journalists and public relations professionals. Course emphases are on professional ethics codes of journalism and public relations with an examination of case studies; basic concepts and terminology of journalism; business etiquette; multimedia and public relations career options; basics of Associated Press style; resume and cover letter preparation; and internship preparation. Same as MMJ/PRL 120.</td>
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<tr>
<td>SPR 135</td>
<td>Editing for Print and Online</td>
<td>3</td>
<td>Fall and Spring</td>
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<tr>
<td></td>
<td>This course introduces students to copyediting, self-editing and fact-checking skills needed to publish stories for the Web, broadcast and print. Same as MMJ 135.</td>
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</tr>
<tr>
<td>SPR 150</td>
<td>Introduction to Digital Photography and Audio Reporting</td>
<td>3</td>
<td>Fall and Spring</td>
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<tr>
<td></td>
<td>The course will introduce students to the basic principles of digital photojournalism and video technologies. Students will be introduced to digital cameras, the basics of editing still photographs and the basics of audio reporting. Students will be required to create content using appropriate technology and prepare stories for distribution across multiple platforms. Same as MMJ/PRL 150.</td>
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</tr>
<tr>
<td>SPR 155</td>
<td>Video for Digital Journalism I</td>
<td>3</td>
<td>Fall and Spring</td>
<td>Prereq: MMJ/PRL/SPR 150 or consent of instructor</td>
</tr>
<tr>
<td></td>
<td>The course will focus on the practices and principles of shooting, editing and distributing video for multiple platforms. Topics include: shooting with DSLR cameras and dedicated video cameras; preproduction planning; lighting principles; audio for video, editing video and distributing digital stories through multiple platforms. Same as MMJ/PRL 155.</td>
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</tbody>
</table>
### SPR 180 Publication Design

**Fall and Spring**  
3 credit hours  
This course will focus on fundamentals of typography including theory and practice in visual communication. By exploring typography, photography, layout, grids, and the principles of contrast, repetition, alignment, proximity, and hierarchy, students will create ethical, compelling, and effective two-dimensional designs. Through lectures, projects, and classroom critiques, the focus is on designing publications, information graphics and interactivity. Proficiency in Adobe InDesign and Illustrator required or willingness to learn through online tutorials. Same as MMJ/PRL 180.

### SPR 200 Game Coverage

**Fall and Spring**  
3 credit hours  
Prereq: SPR 101 & MMJ/SPR 115 or consent of instructor

Fundamentals of and hands-on practice in deadline reporting/writing about games, matches, and meets commonly covered in the mass media. Topics include preview stories, rules reviews, coverage preparation, in-game note/statistic-taking, and post-game interviews with coaches and players. Focus in on writing accurate, clear, insightful and objective game stories for print, broadcast and social media. Games covered will vary based on season/semester. Some travel may be required.

### SPR 255 Video for Digital Journalism II

**Fall and Spring**  
3 credit hours  
Prereq: MMJ/PRL/SPR 155 or consent of instructor

Designed to introduce broadcast writing and to enhance opportunities to develop broadcast-style shooting and editing skills. This course adds onto the video skills learned in Video for Digital Journalism I. Students will learn to shoot voice overs, voice overs with sound bites and full packages suitable for broadcast featuring news and sports content. Students will also learn to produce scripts for broadcast delivery, as well as the process of creating newscast/sportscast rundowns. Video studio techniques and procedures will be taught in the PSJ video lab. Distribution of individual stories via social media will be required. Same as MMJ 255.

### SPR 301 Covering Economics & Public Policy in Sports

**Fall and Spring**  
3 credit hours  
Prereq for SPR: SPR 101, MMJ/SPR 115, & MMJ/PRL/SPR 120 or consent of instructor

The study of the ways financial considerations and government policies affect athletics. Features a series of in-depth interviews/discussions with decision-makers in sports, business and government. Focus will be on developing a deep understanding of the frameworks within which viable sports organizations and leagues operate.

### SPR 302 Covering Lifestyle and Outdoor Sports

**Fall**  
3 credit hours  
Prereq for SPR: SPR 101, MMJ/SPR 115, & MMJ/PRL/SPR 120 or consent of instructor

This course will help students learn to cover recreational and competitive outdoor sports. Students will explore policy issues related to public recreation and personal hobby sports.
### SPR 303 Sports Information and Public Relations

**3 credit hours**

**Fall**

Prereq for PRL: PRL 221 & PRL 333 or consent of instructor
Prereq for SPR: SPR 101, SPR 115, & SPR 200 or consent of instructor

The study of and hands-on experience in best practices for conducting public relations on behalf of sports teams and their parent organizations—schools, conferences, amateur governing bodies and professional teams. Emphasis is on the college/university sports information profession. Topics include, but are not limited to, using in-game statistical software for major sports; media credentialing; press box and press row management; proactive and reactive media relations; season media guides; game-day media guides; strategic planning; crisis communications; relationships with players and coaches; multimedia story packaging; and pre-season, in-season and post-season writing. Same as PRL 303.

### SPR 445 Communication Law in a Digital World

**3 credit hours**

**Fall and Spring**

Civic Learning exploratory

Students will be introduced to First Amendment law as it relates to professional communicators. Topics will include First Amendment theory, libel law, invasion of privacy law, copyright law, news-gathering rights, public relations law and advertising law. Same as MMJ/PRL 445.

### SPR 490 Independent Study

**1-2 credit hours**

**Fall and Spring**

Prereq: consent of instructor

Course is designed to encourage student initiative and to provide a degree of flexibility in the departmental program.

### SPR 498 Senior Portfolio

No credit

**Fall and Spring**

Each student must develop a digital portfolio containing a significant and appropriate body of work that, by the time of graduation, demonstrates to a potential employer that the student is ready to make the transition to the professional workplace. Each portfolio also must demonstrate the student’s understanding of linkages among leadership, the liberal arts, and the student’s intended career. The specific format and content of the portfolio is determined by the faculty. Students must enroll in SPR 498 in fall or spring semester of the senior year. Portfolios will receive either a passing or failing grade by the Pulliam School of Journalism faculty. Deficiencies must be corrected before the portfolio is certified as passing.

### SPR 499 Senior Project

No credit

**Fall and Spring**

Students will demonstrate and showcase the skills they have acquired through their careers at the Pulliam School of Journalism by creating an in-depth package of stories about a significant public issue that is told from multiple media platforms. In addition to the multimedia journalism skills that must be demonstrated to successfully complete this graduation requirement, students will be expected to meet all deadlines, be quickly responsive to communications from staff/faculty project supervisors, and adhere to principles of media law and ethics.
Theatre

Department: Theatre
Department Chair: R. Roberts
Department Members: N. Crisafulli, R. Roberts, G. Strain

Major: Theatre
Minor: Theatre

Program Information: The fine arts division at Franklin College provides theoretical and practical education in three programs, each of which explores one of society’s creative traditions: art, music, and theatre.

The theatre department, through curricular offerings and co-curricular productions, aspires to develop students’ appreciation of theatre as an art form by expanding their understanding of the position of theatre in society and to develop their opportunities for participation in theatre, avocationally or vocationally, by increasing their competence in theatrical skills and abilities. The theatre program also administers the college’s required course in public speaking, which focuses on the preparation and delivery skills required in public address.

All major and minor courses, related field courses, and prerequisites must be completed with a grade of C- or better.
Theatre Major

Required courses
THE 125 Script Analysis and Theory
THE 135 Stagecraft
THE 170 Theatre History
THE 205 Acting
THE 220 Directing I
THE 236 Production Design
THE 375 Dramatic Literature I
THE 376 Dramatic Literature II
THE 499 Sr. Competency Practicum

Three of the following courses
THE 235 Scenic Painting
THE 245 Playwriting
THE 305 Acting II
THE 325 Directing II

Professional Development Requirements
THE 200 Professional Development
THE 498 Portfolio
SNR/SNT 489 Senior Experience

Related field requirements
One course with ART prefix
One course with MUS prefix (Must be 3-4 credit hours)
Plus SIX additional semester hours - this is waived for students with a minor or a second major
   The remaining credits may be any sequence of related-area courses outside the THE prefix. Courses must be approved by the department and submitted to the Academic Records Office.
Theatre Minor

Required courses
- THE 125 Script Analysis and Theory
- THE 135 Stagecraft
- THE 205 Acting
- THE 220 Directing I

One of the following courses
- THE 170 Theatre History
- THE 235 Scenic Painting
- THE 236 Production Design
- THE 245 Playwriting
- THE 305 Acting II
- THE 325 Directing II

One of the following courses
- THE 375 Dramatic Literature I
- THE 376 Dramatic Literature II

One of the following courses
- One course with ART prefix
- One course with MUS prefix (Must be 3-4 credit hours)
**Theatre Course Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Offered</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 001</td>
<td>Theatre Activity</td>
<td>1</td>
<td>Fall and Spring</td>
<td>Activity credit given for work on theatre productions. Graded on a pass/fail basis.</td>
</tr>
<tr>
<td>THE 110</td>
<td>Theatre Appreciation</td>
<td>3</td>
<td>Every Fall and Spring, even years</td>
<td>A study of the development of theatre as an art form within the liberal arts, including its functional theories, principles, methods, and historical context. Emphasis is on the role of the audience and the understanding and appreciation of the nature of theatre to provide students with a background, framework, and vocabulary for seeing and discussing live theatre events. Additional production work required.</td>
</tr>
<tr>
<td>THE 125</td>
<td>Script Analysis and Theory</td>
<td>3</td>
<td>Fall</td>
<td>Examines both traditional and nontraditional (Aristotelian and non-Aristotelian) approaches to the analysis of dramatic literature and explores literary and theatrical techniques used by significant playwrights through the ages with a focus on diverse playwrights. In addition, students will gain a critical perspective on the ways society explains the nature of the theatrical experience and the various structural approaches that create and communicate meaning in the theatre.</td>
</tr>
<tr>
<td>THE 135</td>
<td>Stagecraft</td>
<td>3</td>
<td>Spring</td>
<td>An introduction to the fundamentals of scenic construction, scene painting, stage properties, lighting and sound technology, and mechanical drafting. Additional production work is required. Additional fees for required materials.</td>
</tr>
<tr>
<td>THE 170</td>
<td>Theatre History</td>
<td>3</td>
<td>Spring, even academic years</td>
<td>A tracing of the development of the institution and art of the theatre from its ancient origins to the present day, examining drama, acting, design, directing, theatre architecture and critical theory. The theatrical arts will be studied in the context of the cultures which they reflect and interpret.</td>
</tr>
<tr>
<td>THE 190</td>
<td>Film Appreciation</td>
<td>3</td>
<td>Spring, odd academic years</td>
<td>Film Appreciation will sharpen your ability to evaluate and discuss films critically and to recognize cinematic techniques and genres.</td>
</tr>
<tr>
<td>THE 200</td>
<td>Professional Development</td>
<td>1</td>
<td>Spring</td>
<td>A course designed to help theatre majors develop the necessary skills to make a successful transition into the professional world or graduate school.</td>
</tr>
<tr>
<td>THE 205</td>
<td>Acting</td>
<td>3</td>
<td>Fall</td>
<td>A study of the fundamentals of the acting craft, including practical analysis of play, scene, and character; work on stage voice and movement; and practical applications of these areas to the development of characterizations in scene work and monologues.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Hours</td>
<td>Start Term</td>
<td>Prerequisites</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------------------------</td>
<td>--------------</td>
<td>------------</td>
<td>---------------------------------------------------</td>
</tr>
<tr>
<td>THE 220</td>
<td>Directing I</td>
<td>3</td>
<td>Spring</td>
<td>Prereq: THE 205 or consent of instructor</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>odd academic years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Principles and theories of play selection, analysis, and conceptualization; auditioning, casting, and rehearsing; stage composition, picturization, and movement; and overall production management.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 235</td>
<td>Scenic Painting</td>
<td>3</td>
<td>Fall</td>
<td>Prereq: THE 135 or consent of instructor</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>even academic years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course will provide basic skills needed for theatrical scene painting. Students will learn how to create paint elevations and then translate an elevation to a full scale stage. Students will understand how to approach a picture, break it into “layers” or steps and then translate that to the stage. Additional production work required. <em>Fee: $100 nonrefundable for materials.</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 236</td>
<td>Production Design</td>
<td>3</td>
<td>Fall</td>
<td>Prereq: THE 135 or consent of the instructor</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>odd years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This is a studio class that will focus on the theories and practices of production design in collaborative situations, and how to communicate effectively with a group and as a group in a theatrical setting. <em>Fee: $50 nonrefundable for materials.</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 245</td>
<td>Playwriting</td>
<td>3</td>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>even academic years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A course in the theoretical knowledge and beginning skills in writing a short play for the stage. The first half of the semester deals with the essential nature of drama, and the second half looks at how the various elements of dramatic structure are used to make a play effective theatrically.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 300</td>
<td>Topics in Theatre</td>
<td>3</td>
<td></td>
<td>A topic of current interest in theatre will be taught. Topics will vary depending on faculty interest. Course will be offered upon the request of a faculty member and with approval of the Vice President of Academic Affairs.</td>
</tr>
<tr>
<td>THE 305</td>
<td>Acting II</td>
<td>3</td>
<td>Spring</td>
<td>Prereq: THE 205</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>odd academic years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specialized work on voice and movement technique skills, especially as related to works of various styles and periods of theatre and drama. The class will focus on pre-modern styles and modern non-realistic styles.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>THE 325</td>
<td>Directing II</td>
<td>3</td>
<td>Spring</td>
<td>Prereq: THE 220 or consent of instructor</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>even academic years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A further exploration of the skills acquired in Directing I including conceptualization of period and non-realistic plays; continuing development of leadership skills with actors, and collaboration skills used with playwrights, designers, and producers. Additional production work is required.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 375</td>
<td>Dramatic Literature I</td>
<td>4</td>
<td>Fall</td>
<td>Prereq: ENG 117, THE 110, or THE 125 or consent of the instructor</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>odd academic years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reading and analysis of selected significant plays from ancient times through the Renaissance. Same as ENG 375.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Title</td>
<td>Credits</td>
<td>Prerequisites</td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>--------------------------------------------</td>
<td>---------</td>
<td>--------------------------------------</td>
<td></td>
</tr>
<tr>
<td>THE 376</td>
<td>Dramatic Literature II</td>
<td>4</td>
<td>ENG 118, THE 110, or THE 125 or consent of the instructor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spring, odd academic years</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reading and analysis of selected significant plays from around the world from the 17th century to the present. Same as ENG 376.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 482</td>
<td>Advanced Practicum</td>
<td>1-2</td>
<td>consent of instructor</td>
</tr>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

A supervised, pre-approved experience which allows a student to pursue specific practical learning goals and/or be involved in a field experience during the regular academic semester.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 490</td>
<td>Individualized Study</td>
<td>1-2</td>
<td>departmental and instructor consent</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A course designed to encourage student initiative and to provide a degree of flexibility in the departmental program. Normally the subject is not sufficiently or appropriately covered in departmental course offerings.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 498</td>
<td>Senior Portfolio</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Each student must develop a portfolio containing an appropriate body of work that, by the time of graduation, demonstrates the student is ready to make the transition to graduate school or the professional workplace.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 499</td>
<td>Senior Competency Practicum</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Students will take a written exam which covers information from core requirements for the major. Students must earn a C- or better.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>SNR/SNT 489 (THE)</td>
<td>Senior Experience</td>
<td>1</td>
<td>THE 499</td>
</tr>
<tr>
<td></td>
<td>Fall and spring</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This senior year experience is fulfilled by completing a significant acting, playwriting, directing, design, or research project. An internship with an arts organization may also be used. The student must complete at least 70 hours of documented time in practical application and/or research and will meet weekly with the practicum advisor. Students must earn at least a grade of C.
Women's Studies Program

Department: Sociology/History
Director: M. Clark-Wiltz

Women's Studies Individualized Minor
Students can minor in Women’s Studies by proposing a personalized 15-credit hour plan. This plan includes WST 101 (required), Introduction to Women’s Studies, and courses and coursework in other disciplines that focus on issues of relevance to women’s studies (e.g., Women and Leadership, Women Photojournalists). Upon approval and completion of the proposed individualized plan, the minor appears on the student’s transcript.

A journalism major with an interest in women’s studies might propose the following:
- **WST 101** Introduction to Women’s Studies (4 hours)
- **WST/SOC 319** Gender and Sexualities (4 hours)
- **WST/MMJ 490** Independent Study/Advertising to the Woman (1-2 hours)
- **Plus:** 5-6 hours in other Journalism courses where work focuses on women/gender

Women’s Studies Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 101</td>
<td>Introduction to Women’s Studies</td>
<td>4</td>
<td>Spring, even academic years, Human Behavior exploratory</td>
</tr>
</tbody>
</table>

An overview of major issues raised by the range of women’s situations and experiences in Western and non-Western societies. An examination of analytical perspectives that feminist critics in a variety of disciplines use to explore these issues.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 236</td>
<td>Gender and Sexuality in Literature</td>
<td>4</td>
<td>Fall, even academic years, Diversity exploratory Prereq: LA 101</td>
</tr>
</tbody>
</table>

Reading and analysis of selected works through the lens of gender and sexuality. Same as ENG 236.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 300</td>
<td>Topics in Women’s Studies</td>
<td>3</td>
<td>A topic of current interest in women’s studies will be taught. Topics will vary according to faculty interest. Course will be offered upon request of a faculty member and with approval of the Vice President of Academic Affairs and the director of women’s studies.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST/SOC 319</td>
<td>Gender and Sexualities</td>
<td>4</td>
<td>Fall, even academic years, Prereq: SOC 118</td>
</tr>
</tbody>
</table>

This course provides an overview of theoretical and empirical work in the sociology of sex, gender, and sexuality. The course will also address various facets of the subject including ways that social, cultural, and legal status influence individual experiences and outcomes. Attention is paid to the social construction/control of gender, transgender, and multiple sexualities. Same as SOC 319.
<table>
<thead>
<tr>
<th><strong>WST/HIS 332 History of Women in the United States</strong></th>
<th><strong>4 credit hours</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall, odd years</td>
<td>Human exploratory</td>
</tr>
<tr>
<td>Prereq: HIS 120, HIS 121, or consent of instructor</td>
<td></td>
</tr>
</tbody>
</table>

This course will survey the history of women in the United States from the colonial era through the civil rights movement of the 1950s –'60s. The course will focus especially on the role of women in various social movements including: the movement to abolish slavery, the fight for women’s suffrage, reformist movements of the early twentieth century and the modern feminist movement. Students will have the opportunity to pursue a research paper on the social issues addressed in the life/work of an activist of their choosing. Same as HIS 332.
Franklin College Graduate Policies & Programs

The policies and procedures listed in this section of the catalog are specific to graduate students. For a complete list of policies and procedures, please refer to the Academic Policies and Procedures section of this catalog. If a policy or procedure is not specifically listed in the graduate section of the catalog, then the policies and procedures stated in the Academic Policies and Procedures section of this catalog apply to graduate students.

Admissions Policy
Application for admission is program specific. Please see details for the program in which you are applying. Further, graduate students should refer to program specific student handbooks for more detailed information and program policies.

Tuition and Fees
Tuition is specific to each graduate program; however, both graduate programs are billed by semester based on credit hours.

Master of Science in Athletic Training tuition policy
- Once admitted a $250 deposit is due upon acceptance to ensure your place in the MSAT is reserved.
- Once admitted into and enrolling in the MSAT Program, regardless of whether you are completing the 3+2 or two-year professional program, ALL students are required to pay the credit hour tuition rate for graduate studies throughout the duration of the MSAT curriculum.
  o Tuition rates for the 2021-22 academic year are $655 per credit hour.
  o Total tuition for the July 2021 cohort is $43,885
  o Tuition may be adjusted annually, but will remain constant for each cohort
  o Tuition billing and due dates for 2021-22 are as follows:

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit Hours</th>
<th>Tuition for Term</th>
<th>Bill Date</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deposit</td>
<td></td>
<td>$250</td>
<td>Upon acceptance</td>
<td>-</td>
</tr>
<tr>
<td>Summer</td>
<td>7.5</td>
<td>$4,912.50*</td>
<td>May 15th</td>
<td>June 15th</td>
</tr>
<tr>
<td>Fall</td>
<td>14.5</td>
<td>$9,497.50</td>
<td>July 15th</td>
<td>August 15th</td>
</tr>
<tr>
<td>Winter</td>
<td>1.5</td>
<td>$982.50</td>
<td>December 15th</td>
<td>January 15th</td>
</tr>
<tr>
<td>Spring</td>
<td>14.5</td>
<td>$9,497.50</td>
<td>December 15th</td>
<td>January 15th</td>
</tr>
</tbody>
</table>

*Summer term tuition will be reduced by deposit amount once paid.

Second Year

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit Hours</th>
<th>Tuition for Term</th>
<th>Bill Date</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td>2</td>
<td>$1,310.00</td>
<td>Billed w/fall tuition</td>
<td>-</td>
</tr>
<tr>
<td>Fall</td>
<td>13.5</td>
<td>$8,842.50</td>
<td>July 15th</td>
<td>August 15th</td>
</tr>
<tr>
<td>Winter</td>
<td>2</td>
<td>$1,310</td>
<td>December 15th</td>
<td>January 15th</td>
</tr>
<tr>
<td>Spring</td>
<td>11.5</td>
<td>$7,532.50</td>
<td>December 15th</td>
<td>January 15th</td>
</tr>
</tbody>
</table>
Master of Science in Physician Assistant Studies tuition policy

- Once admitted a $1000 deposit is due within two-three weeks of receiving notice of acceptance to ensure your place in the MSPAS is reserved.
- Tuition for the MSPAS program is billed by semester based on credit hours.
  - Total tuition for the January 2022 cohort is $87,500
  - Tuition may be adjusted annually but will remain constant for each cohort.
  - Estimated total program cost (including tuition and fees): $87,900

Tuition and billing and due dates for the January 2022 cohort are as follows:

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit Hours</th>
<th>Tuition for Term</th>
<th>Bill Date</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deposit</td>
<td></td>
<td>$1,000</td>
<td>Upon acceptance</td>
<td></td>
</tr>
<tr>
<td>Immersive (January)</td>
<td>8</td>
<td>$6,306*</td>
<td>December 15th</td>
<td>January 15th</td>
</tr>
<tr>
<td>Spring</td>
<td>18</td>
<td>$14,189</td>
<td>December 15th</td>
<td>January 15th</td>
</tr>
<tr>
<td>Summer</td>
<td>17</td>
<td>$13,401</td>
<td>May 15th</td>
<td>June 15th</td>
</tr>
<tr>
<td>Fall</td>
<td>23</td>
<td>$18,131</td>
<td>July 15th</td>
<td>August 15th</td>
</tr>
</tbody>
</table>

*Immersive term tuition will be reduced by deposit amount once paid.

Second year and Capstone

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit Hours</th>
<th>Tuition for Term</th>
<th>Bill Date</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immersive (January)</td>
<td>4</td>
<td>$3,153</td>
<td>December 15th</td>
<td>January 15th</td>
</tr>
<tr>
<td>Spring</td>
<td>13</td>
<td>$10,248</td>
<td>December 15th</td>
<td>January 15th</td>
</tr>
<tr>
<td>Summer</td>
<td>9</td>
<td>$7,094</td>
<td>May 15th</td>
<td>June 15th</td>
</tr>
<tr>
<td>Fall</td>
<td>13</td>
<td>$10,248</td>
<td>July 15th</td>
<td>August 15th</td>
</tr>
<tr>
<td>Capstone (January)</td>
<td>6</td>
<td>$4,730</td>
<td>December 15th</td>
<td>January 15th</td>
</tr>
</tbody>
</table>

Fees

- Graduate students are required to pay the annual Franklin College student activity fee of $200 billed each spring semesters.

Tuition Refund Policy

All tuition refunds are based on the date of official withdrawal or drop as recognized by the Dean of the College, the Dean of Students, and the records office.

In full semesters (Spring, Summer, Fall for MSPAS and Spring and Fall for MSAT), tuition refund schedule will be as follows:

Prior to the first day of class  100%
During the first week of class  90%
During the second week of class  70%
During the third week of class  50%
After the third week of class  0%

In short semesters (Winter terms for MSPAS and Winter and Summer terms for MSAT), tuition refund schedule will be as follows:

Prior to the first day of class  100%
During the first week of class  75%
During the second week of class  50%
After the second week of class  0%

Financial Aid
- To determine your eligibility for financial aid the Free Application for Federal Student Aid (FAFSA) is required. The FAFSA can be filed at fafsa.gov and is available October 1st each year. MSPAS students must file or update the 2021-2022 FAFSA and submit by December 1st.
- Beginning March for MSAT and mid-October for MSPAS, financial aid awards will be available for enrolled students via the online financial aid system.
- Financial Aid questions can be directed to the financial aid office at finaid@franklincollege.edu or 317-738-8075.

Please note that students enrolled in graduate programs are NOT eligible for Franklin College scholarships/grants as these awards are restricted to undergraduate enrollment.

Master’s orientation
All graduate students will be required to attend a master’s program orientation prior to the start of program courses. A detailed description of orientation events will be sent to students in advance of starting coursework.

Course hour definition
For financial aid purposes, graduate students must be enrolled in a minimum of 10 credit hours during fall and spring semesters for full-time status. During summer and/or winter terms the requirement for full time status is enrollment in at least three credit hours.

Course numbering
500-level courses are intended for first year students in graduate programs and for MSAT students completing their undergraduate degree in conjunction with a graduate degree. MSAT students may count up to 12 credit hours of 500-level courses towards completing the requirements of their undergraduate degree if they are completing both degrees in a 3+2 program at Franklin College. 600-level courses are intended for second year graduate level students.

Graduation Requirements
To successfully graduate from the MSAT or MSPAS Program, students must:
1. Complete the entire program within three and one-half (3.5) academic years; and
2. Successfully complete and pass all required courses, rotations, and program requirements with a grade of C or better and have a minimum cumulative GPA of 3.00.

Degree application
An application for degree and appropriate degree templates must be filed with the Academic Records Office before the student is considered for graduation. The application should be completed and filed by October 1st prior to the next calendar year graduation date.
Grading
The Graduate Programs require a minimum 3.0 cumulative grade point average ("GPA"). While 70% is considered passing, the expected level of performance in graduate programs is a "B" average or above. The grading system for the MSAT and MSPAS program is defined below.

<table>
<thead>
<tr>
<th>Grade Range</th>
<th>Letter Grade</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>90–100</td>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>87–89.99</td>
<td>A-</td>
<td>3.67</td>
</tr>
<tr>
<td>83–86.99</td>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>80–82.99</td>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>77–79.99</td>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>73–76.99</td>
<td>C+</td>
<td>2.33</td>
</tr>
<tr>
<td>70–72.99</td>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>Below 70</td>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>Incomplete</td>
<td>I</td>
<td></td>
</tr>
<tr>
<td>No Grade</td>
<td>NG</td>
<td></td>
</tr>
<tr>
<td>Audit</td>
<td>AU</td>
<td></td>
</tr>
<tr>
<td>Satisfactory</td>
<td>S</td>
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<tr>
<td>Unsatisfactory</td>
<td>U</td>
<td></td>
</tr>
<tr>
<td>Withdrawal</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>Withdrawal/Fail</td>
<td>WF</td>
<td></td>
</tr>
<tr>
<td>Withdrawal/Pass</td>
<td>WP</td>
<td></td>
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<tr>
<td>Transfer Credit</td>
<td>TR</td>
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</tbody>
</table>
Master of Science in Athletic Training

Program Director: Tiffany Franklin
MSAT Faculty: K. Eiler, K. Remsburg, J. Williams

The Master of Science in Athletic Training (MSAT) program is a professional program designed for students who do not hold a bachelor’s degree in athletic training but who want to pursue athletic training credentials by the Board of Certification (BOC) and pursue a career as an athletic trainer. Franklin College athletic training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). A degree from a CAATE accredited program is necessary for students to be eligible for the BOC exam.

Program Options
Two options are available for the MSAT:

1. 3+2 program for entering first-year students or potential undergraduate transfer students
2. Two-year professional program for students who already hold a bachelor’s degree

Regardless of the program option, coursework specific to the MSAT is completed over one summer session (classes begin in July) followed by coursework over fall, winter, and spring semesters for two years.

3+2 Program
The 3+2 (five years total) program is intended for entering first-year students, transfer students or students who change majors early in their undergraduate education. During the first three years, each student will complete the MSAT program prerequisites and bachelor’s degree requirements for the major of their choice (exercise science is recommended). Upon acceptance into the graduate program, students will begin coursework for the MSAT during summer session prior to their fourth year. At the end of the student’s fourth year, he or she will receive a bachelor’s degree. At the end of successful completion of the fifth year, each student will earn a Master of Science in Athletic Training degree.

Two-Year Professional Program
The two-year program is intended for students who have already earned a bachelor’s degree and have completed required prerequisite courses for the MSAT program. This program is appropriate for college graduates who may want to change careers; those students who decided athletic training as a career option late in their undergraduate studies; or those who did not have time during their undergraduate years to major in athletic training.

MSAT Admission Requirements
Applications for the MSAT will be submitted through the Athletic Training Centralized Application System (ATCAS), or via email to the program director if ATCAS is closed, and are due no later than January 1 for consideration of early admission into the MSAT program. Should we not reach a full cohort of students from early admissions, we will continue to accept and review applications on a rolling basis. Admission to the MSAT at Franklin College is competitive. The following is a list of minimum requirements for application. Meeting these minimum requirements does not ensure admission into the program.

- Completed ATCAS application
- Evidence of a C or higher in the following prerequisites courses (within the past 7 years):
  - Anatomy
  - Biology
  - Chemistry
  - Nutrition
  - Physics
  - Physiology
• Psychology
• Statistics or Research Methods
• Exercise Physiology

- Completion of a minimum of 50 hours of observation under the direct supervision of a certified athletic trainer; Submit to “Observation Hours” directly on ATCAS
- Verification of a health assessment, physical examination, and immunization record with HBV and TB information will be completed prior to the start of summer term coursework
- Copy of current First Aid and CPR for the Professional Rescuer or BLS Healthcare Provider certification; Submit to “Licenses and Certifications” directly on ATCAS
- Verification that the MSAT program’s Technical Standards for Admission can be met
- Personal Statement
- Current Resume
- Completion of program specific questions
- Two letters of recommendation/evaluations. One from a faculty member and one from a certified athletic trainer, physician, or other health care provider
- The committee reserves the right to interview each applicant via video-chat, phone, or in-person on a case-by-case basis

Franklin College 3+2 students have an option to apply for early admittance into the MSAT program. Students are eligible to apply for early admittance after the completion of the following:

**Early Admittance for MSAT application requirements**

- ANAT 210 or BIO 210
- One additional prerequisite course
- Grade of “C” or higher in all prerequisite courses completed at the time of application
- Minimum prerequisite course GPA of 3.4
- Minimum overall GPA of 3.4
- 25 hours of observation with a certified athletic trainer
- Personal Statement
- Two letters of recommendation: One from a faculty member and one from either a certified athletic trainer, physician, or other healthcare provider
- Current resume

**Information for students applying to Exercise Science and the MSAT simultaneously**

For those students completing a 3+2 with Exercise Science, applications for early admittance to the MSAT may be completed at the same time as application to the major program. However, even though the application process is happening simultaneously, acceptance to the Exercise Science program does not ensure acceptance to early admittance for the MSAT. The requirements for students applying to both programs simultaneously are as follows:

**Exercise science application requirements**

- Grade of "C" or higher in EXE 234 and EXE 244
- Personal Statement
- Current resume

**Additional MSAT application requirements**

- Minimum overall GPA of 3.4
- 25 hours of observation with a certified athletic trainer
Two letters of recommendation: One from a faculty member and one from either a certified athletic trainer, physician, or other healthcare provider

Retention Requirements for Early Admittance to the MSAT
Students who earn early admittance will be reviewed at the end of each semester to ensure they are continuing to meet the following benchmarks:

- Grade of “C” or higher in all prerequisite courses
- Minimum overall GPA of 3.4
- 10 hours of observation with a certified athletic trainer each semester after the completion of the initial 25 hours required for application

Early admittance will be revoked from students who do not continually meet the required benchmarks. If early admittance is revoked, a student may reapply to the MSAT via the traditional route through ATCAS, if and when he/she becomes eligible.

The MSAT program is a rigorous and intense program that places specific physical and intellectual demands on students. Because of this, students must submit completed medical and program forms. These forms ensure students meet the stated technical standards, such as the physical and mental demands of the MSAT program, with or without accommodations. Additionally, the technical standards ensure compliance with accreditation standards. The complete technical standard document is available on the Franklin College Master of Science in Athletic Training webpage and with program application materials. Students who have questions about this document should inquire with the Director of the Academic Resource Center. These technical standards meet the requirements set forth by the American Disabilities Act (ADA) of 1990. Further, upon acceptance students will receive a program-specific health questionnaire, physical, and immunization record form, including flu shot, HBV and TB information. This form must be completed, signed by a healthcare provider, and submitted to the program director prior to beginning coursework in July.

Transfer Policy
Transfer students with prior graduate-level athletic training education are evaluated on an individual basis. In direct consultation, the student and the MSAT Program Director develop a plan of study that builds on previous learning, addresses necessary content and skill requirements, and ensures the student’s complete incorporation into the Franklin College MSAT. Transfer students are required to provide the MSAT program director with course descriptions and appropriately dated syllabi for all graduate-level athletic training specific courses prior to approval for transfer credit. Transfer students are held to all application requirements and must complete the application process through ATCAS. As per Commission on Accreditation of Athletic Training (CAATE) requirements, students must be enrolled in a CAATE accredited professional-level master’s program for a minimum of two calendar years prior to graduation in order to meet graduation requirements. The MSAT Program reserves the right to request prospective transfer students participate in “placement testing” to determine their knowledge and skill in various athletic training domains of practice. Additionally, once admitted should deficiencies in skills or knowledge be determined by program faculty, transfer students may be required to audit courses where transfer credit was received, as part of a remediation plan.

Requirements for Progression and Academic Standing
Each student within the MSAT Program must maintain a minimum 3.0 (4.0 scale) cumulative grade point average (GPA) to maintain good standing in the program. While 70% is considered passing, the expected level of performance in the program is a “B” average or above. Student progress in the program will be discussed continually by the program faculty at regularly scheduled faculty meetings and at the conclusion of each semester.

A grade of 70% or higher is required for all courses in the MSAT program.

As clinical coursework is included in the MSAT academic program, all academic requirements apply to clinical coursework. MSAT students meet regularly with preceptors during each clinical experience rotation to discuss his/her
personal and professional evaluation. The evaluation encompasses skills, techniques, proficiencies and behaviors appropriate to athletic training. The purpose of the evaluation is for the student to receive feedback from his/her preceptor and the preceptor to receive feedback from the student. Preceptors may request more frequent evaluations if they feel students are not performing adequately in the clinical portion of the program. If additional meetings are required, the student and preceptors will discuss the concerns and come to a mutual agreement on a plan for improvement.

The Franklin College MSAT program consists of several clinical experience rotation requirements. Some clinical experience rotations are completed at off-campus clinical settings in Franklin, Whiteland, Greenwood, Columbus, and Indianapolis. In order to fulfill the requirements of these rotations students must have access to transportation.

Further, due to the nature of athletic training being a health care profession, students must submit completed medical forms and documentation of up-to-date vaccinations as part of the application process.

**Academic Probation/Dismissal**

If a student’s cumulative GPA falls below the 3.0 (4.0 scale) minimum, he/she will be placed on academic probation. Students will have one semester to improve his/her cumulative GPA to acceptable standards (minimum 3.0) to avoid being dismissed from the MSAT Program following an evaluation of student progress by the Program Director and the faculty. If a student’s cumulative GPA is such that it is mathematically impossible to raise to a 3.0 after one semester, the student will automatically be dismissed from the MSAT program.

If a student demonstrates persistent inappropriate behavior during a clinical experience, or his/her clinical evaluation average falls below a 70%, the MSAT program director reserves the right to place a student on probation from clinical experience rotations until the student can show progress towards improving skills, techniques, proficiencies and/or behavior. Consequences of this probation (including but not limited to enrollment in subsequent Clinical Education in Athletic Training courses) will be determined in each situation depending on the probation reasoning.

If a student is placed on probation a second time, either for unsatisfactory GPA, failure of a course, or demonstrating inappropriate behavior during clinical experience, the student will be automatically dismissed from the MSAT Program and graduate studies.

Dismissed students may no longer matriculate into the Master of Science in Athletic Training program at the college. An academic dismissal may be appealed based upon procedures detailed in the “Student Grievance” section and in the Academic Catalog.

**Academic Suspension and Reinstatement**

If a student receives below a 70% in any course within the MSAT program, the student will be academically suspended from the program for the remainder of the academic year and also placed on academic probation. If a student is academically suspended for the academic year due to receiving less than a 70% in any course within the MSAT program, the student is not permitted to continue in the MSAT program and the student must repeat the course the next time the course is offered in the academic program. Courses within the MSAT program are sequential and are prerequisites for subsequent semester courses. The MSAT courses are only offered once a year so any course that must be repeated will result in deceleration of the student from the current cohort and will result in a delay in graduation. The MSAT program faculty and staff make every effort to provide support and access to appropriate assistance to help all students restore good academic standing.

The student will be removed from academic suspension and academic probation and reinstated into the MSAT program after he/she has successfully repeated the course with a 70% or higher. The MSAT student will be allowed a maximum of two (2) total opportunities to successfully pass a course. An MSAT student will be permitted to repeat a failed course
only as part of a detailed remediation plan. Failure to pass a course on the second opportunity will result in academic dismissal from the program.

If a student is placed on probation a second time after failing a course, either for unsatisfactory GPA, failure of a second course, or demonstrating inappropriate behavior during clinical experience, the student will be automatically dismissed from the MSAT Program and graduate studies.

**Athletic Training Program Expenses**

Students enrolled in the MSAT will incur required expenses throughout the duration of the program. Below is a list of expenses required above and beyond college tuition and fees, and individual course fees.

<table>
<thead>
<tr>
<th>Type of Expense</th>
<th>Expected Time of Expense</th>
<th>Appropriate Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCAS application fee</td>
<td>At time of application</td>
<td>$85</td>
</tr>
<tr>
<td>Deposit (credited towards tuition)</td>
<td>Within two weeks of offer</td>
<td>$250</td>
</tr>
<tr>
<td>Physical exam and immunizations</td>
<td>Prior to first summer session</td>
<td>Varies</td>
</tr>
<tr>
<td>NATA student membership</td>
<td>Recommended Fall semester first year in MSAT; Required Fall semester second year in MSAT</td>
<td>$75</td>
</tr>
<tr>
<td>Professional attire</td>
<td>Throughout the duration of the program</td>
<td>Varies</td>
</tr>
<tr>
<td>TB skin test and influenza vaccine</td>
<td>Fall semester each year</td>
<td>Varies</td>
</tr>
<tr>
<td>Transportation to off-campus clinical sites</td>
<td>Throughout the duration of the program</td>
<td>Varies</td>
</tr>
<tr>
<td>Background check</td>
<td>As required by specific clinical sites</td>
<td>$7 - $25</td>
</tr>
<tr>
<td>CPR recertification</td>
<td>Varies per student; CPR recertification is required in the first year</td>
<td>$30 for recertification</td>
</tr>
<tr>
<td>BOC exam</td>
<td>Final semester of studies</td>
<td>$365-$395</td>
</tr>
</tbody>
</table>

**Master of Science in Athletic Training**

**Core Requirements**
- MSAT 525 Clinical Anatomy Lab
- MSAT 527 Prevention of Injuries and Medical Conditions
- MSAT 529 Acute Care of Injuries & Illness
- MSAT 530 Clinical Exam and Diagnosis: Lower Extremity
- MSAT 531 Clinical Exam and Diagnosis: Upper Extremity
- MSAT 534 Concepts in Therapeutic Interventions I
- MSAT 625 Healthcare Administration
- MSAT 631 Clinical Pathology and Medical Interventions
- MSAT 634 Concepts in Therapeutic Interventions II
- MSAT 635 Psychosocial Strategies and Referral
- MSAT 637 Professional Preparation in Athletic Training
- MSAT 638 Advanced Concepts in Athletic Training

**Research Requirements**
- MSAT 543 Foundations of Evidence-based Practice & Research
**MSAT 544** Directed Research Studies & Analysis
**MSAT 643** Research Seminar

**Clinical Requirements**
- **MSAT 550** Clinical Experience in Athletic Training I
- **MSAT 551** Clinical Experience in Athletic Training II
- **MSAT 552** Clinical Experience in Athletic Training III
- **MSAT 553** Clinical Experience in Athletic Training IV
- **MSAT 600** Immersive Clinical Experience in Athletic Training
- **MSAT 650** Clinical Experience in Athletic Training V
- **MSAT 651** Clinical Experience in Athletic Training VI

**Elective Coursework**
- **MSAT 610** Internship in Athletic Training I
- **MSAT 620** Internship in Athletic Training II
**Master of Science in Athletic Training Course Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSAT 525</td>
<td>Clinical Anatomy Lab</td>
<td>3</td>
<td>Summer</td>
<td>Admittance to the MSAT</td>
</tr>
<tr>
<td></td>
<td>This course will provide information related to</td>
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<tr>
<td></td>
<td>the kinematics and kinetics of human locomotion</td>
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<td></td>
<td>through the study of functional, orthopedic</td>
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<td></td>
<td>anatomy. The goal of the course is for each</td>
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<td></td>
<td>student to be able to identify musculoskeletal,</td>
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<td></td>
<td>articular, nervous, and vascular systems of the</td>
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<tr>
<td></td>
<td>human body and to understand the functional</td>
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<tr>
<td></td>
<td>contribution of such structures to pathologies</td>
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<tr>
<td></td>
<td>related to physical activity.</td>
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<tr>
<td>MSAT 527</td>
<td>Prevention of Injuries and Medical Conditions</td>
<td>3</td>
<td>Summer</td>
<td>Admittance to the MSAT</td>
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<tr>
<td></td>
<td>Students will develop strategies and programs to</td>
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<tr>
<td></td>
<td>prevent the incidence and/or severity of injuries</td>
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<tr>
<td></td>
<td>and illnesses while optimizing patient overall</td>
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<tr>
<td></td>
<td>health. Emphasis is placed on the prevention of</td>
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<tr>
<td></td>
<td>injuries to physically active individuals in the</td>
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<tr>
<td></td>
<td>areas of conditioning, pre-participation</td>
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<td></td>
<td>screening, nutritional concepts, and</td>
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<td>environmental risk factors. The appropriate</td>
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<td></td>
<td>use of and fit for protective equipment, and</td>
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<td></td>
<td>proper application of wrapping, taping, braces</td>
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<tr>
<td></td>
<td>and orthotic devices will be practiced. Laboratory</td>
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<tr>
<td></td>
<td>experiences are used to supplement classroom</td>
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<tr>
<td></td>
<td>instruction.</td>
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<tr>
<td>MSAT 529</td>
<td>Acute Care of Injuries and Illness</td>
<td>4</td>
<td>Fall</td>
<td>Admittance to the MSAT</td>
</tr>
<tr>
<td></td>
<td>Development of knowledge and skills in the</td>
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<tr>
<td></td>
<td>evaluation and immediate management of acute</td>
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<tr>
<td></td>
<td>injuries and illnesses. Focus is on planning for,</td>
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<td></td>
<td>examining, and managing immediate, emergent and</td>
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<td></td>
<td>acute situations particularly for physically</td>
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<td></td>
<td>active individuals. Immobilization, splinting,</td>
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<td></td>
<td>transporting, wrapping and taping techniques for</td>
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<td></td>
<td>managing acute injuries will be practiced.</td>
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<td></td>
<td>Additionally students will demonstrate emergency</td>
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<td></td>
<td>care skill consistent with National Athletic</td>
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<td></td>
<td>Trainers’ Association position statements.</td>
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<td></td>
<td>Laboratory experiences are used to supplement</td>
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<tr>
<td></td>
<td>classroom instruction.</td>
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<tr>
<td>MSAT 530</td>
<td>Clinical Examination and Diagnosis: Lower</td>
<td>4</td>
<td>Fall</td>
<td>MSAT 525 &amp; MSAT 527</td>
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<tr>
<td></td>
<td>Extremity</td>
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<td></td>
<td>Instruction on assessment procedures and evaluation</td>
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<td></td>
<td>techniques for lumbosacral and lower extremity</td>
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<td>injuries. It includes an in-depth inquiry into the</td>
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<td></td>
<td>anatomical and physiological effects associated</td>
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<td>with the occurrence of injuries to physically</td>
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<td>active individuals and the process and components</td>
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<td>of an injury evaluation. Students learn to</td>
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<td></td>
<td>perform and interpret the results of structural</td>
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<td>and functional tests in order to accurately</td>
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<td>diagnose injury and determine appropriate</td>
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<td>differential diagnoses. Students will develop</td>
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<td></td>
<td>clinical decision making skills through the</td>
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<td>integration of evidence-based medicine. Clinical</td>
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<td>outcomes assessment including patient self-report</td>
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<td></td>
<td>measures will be an integral part of this course.</td>
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<tr>
<td>MSAT 531</td>
<td>Clinical Examination and Diagnosis: Upper</td>
<td>4</td>
<td>Spring</td>
<td>MSAT 525 &amp; MSAT 527</td>
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<td></td>
<td>Extremity</td>
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<td>Assessment procedures and evaluation techniques</td>
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<td>for cervical, thoracic, and upper extremity</td>
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<td>injuries. It includes an in-depth inquiry into the</td>
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<td>anatomical and physiological effects associated</td>
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<td>with the occurrence of injuries to physically</td>
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<td>active individuals, and the process and components</td>
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<td>of an injury evaluation. Students learn to</td>
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<td>perform and interpret the results of structural</td>
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<td>and functional tests in order to accurately</td>
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<td>outcomes assessment including patient self-report</td>
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<td>measures will be an integral component of this</td>
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<tr>
<td>MSAT 534</td>
<td>Concepts in Therapeutic Interventions I</td>
<td>4</td>
<td>Spring</td>
<td>MSAT 530 or MSAT 531</td>
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This integrated course focuses on theory, principles, physiological effects, and application of various therapeutic interventions designed to maximize patient’s participation and health-related quality of life. The indications, contraindications, and operational protocols for common therapeutic interventions and pharmacological agents to manage pain, control inflammation, and restore function will be studied. Emphasis will be placed on the use of evidence-based practice to develop therapeutic goals and establish appropriate use of progression, treatment effectiveness, assessment of patient satisfaction, and ability to return to physical activity. Laboratory experiences will be used to supplement classroom instructions.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MSAT 543</td>
<td>Foundations of Evidence-based Practice &amp; Research</td>
<td>3</td>
<td>Fall</td>
<td>Admittance to the MSAT</td>
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The fundamentals of evidence-based medicine with specific focus toward understanding various levels of research and reading comprehension of research articles will be emphasized. A working knowledge of the research process and interpretation of findings will also be a focus whereby students begin work on research projects including identifying a problem, conducting a literature review, developing a hypothesis, and forming initial research design.

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<th>Prerequisite</th>
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<tbody>
<tr>
<td>MSAT 544</td>
<td>Directed Research Studies &amp; Analysis</td>
<td>3</td>
<td>Spring</td>
<td>MSAT 543</td>
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Students will gain experience with the hands-on component of the research process, and statistical analysis of data. Working with a faculty advisor, students will develop skill implementing their research proposal and continue the research process through data collection and analysis. Students will study statistical procedures commonly used in descriptive and experimental research in athletic training. Basic statistical analysis will be reviewed and advanced statistics in relation to individual research projects will be discussed.

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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>MSAT 550</td>
<td>Clinical Experience in Athletic Training I</td>
<td>1.5</td>
<td>Summer</td>
<td>Admittance to the MSAT</td>
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A clinical course in which students complete supervised experiences in a variety of health care settings under the guidance of preceptors. Clinical experience hours will be augmented with a seminar on basic practices necessary to a successful athletic trainer. Students are responsible for costs associated with travel to and from their clinical experiences. $30 course fee for CPR for the Professional Rescuer recertification.

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>MSAT 551</td>
<td>Clinical Experience in Athletic Training II</td>
<td>3.5</td>
<td>Fall</td>
<td>MSAT 550</td>
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A clinical course in which students rotate through supervised experiences in a variety of athletic training and health care settings under the guidance of preceptors. Students begin the process of integrating knowledge, skills, and clinical decision-making into actual client/patient care while utilizing evidence-based medicine to solve clinical problems. A demonstration of proficiency in skills up to and including prevention and care of athletic injuries is required. Clinical experience hours will be augmented with a seminar on basic practices necessary to become a successful athletic trainer. Students are responsible for costs associated with travel to and from their clinical experiences.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MSAT 552</td>
<td>Clinical Experience in Athletic Training III</td>
<td>1.5</td>
<td>Winter</td>
<td>MSAT 550</td>
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A clinical course which provides students an opportunity to gain experience in an off-campus orthopedic setting working directly with an orthopedic physician and observing surgical procedures. Students will complete one, two-week experience at the same clinical setting. Clinical experience hours will be augmented with a seminar on basic practices necessary to become a successful athletic trainer.
### MSAT 553 Clinical Experience in Athletic Training IV
3.5 credit hours
Spring
Prerequisite: MSAT 550

A clinical course designed to provide experience under the direct supervision of a preceptor. A demonstration of proficiency in skills up to and including prevention and care of athletic injuries and clinical exam and diagnosis of injuries is required. The incorporation of evidence-based practice principles will be emphasized. Further foundational behaviors in the context of real patient care will be assessed. Clinical experience hours will be augmented with a seminar on methods to enhance clinical skills. Students are responsible for costs associated with travel to and from their clinical experiences.

### MSAT 600 Immersive Clinical Experience in Athletic Training
2 credit hours
Summer
Prerequisite: MSAT 553

An immersive clinical experience, under the direct supervision of a preceptor, that provides a practice-intensive experience to allow students to experience the totality of care provided by athletic trainers. Students must participate in the day-to-day and week-to-week role of an athletic trainer for a four-week period.

### MSAT 610 Internship in Athletic Training I
0 credit hours
Summer
Prerequisite: MSAT 551 or MSAT 553

An elective clinical course which provides students an opportunity to gain experience under the direct supervision of a preceptor at a pre-approved off-campus site. This will be an individualized experience, allowing a student to pursue learning goals specific to the experience.

### MSAT 620 Internship in Athletic Training II
0 credit hours
Winter
Prerequisite: Program Director Approval

A clinical course that provides students an opportunity to gain experience under the direct supervision of a preceptor at a pre-approved clinical site. This will be an individualized experience, allowing a student to pursue specific learning goals.

### MSAT 625 Healthcare Administration
2 credit hours
Spring
Prerequisite: Second Year Status in MSAT

Exploration of organizational and administrative aspects of athletic health care management for various employment settings. Emphasis is placed on students developing an understanding of human resources, risk management, healthcare delivery mechanisms, insurance, reimbursement, documentation, patient privacy, and facility management.

### MSAT 631 Clinical Pathology and Medical Interventions
4 credit hours
Fall
Prerequisite: MSAT 530 & MSAT 531

An advanced course for athletic training students to build a foundational understanding of disease, disorders, illness and other general medical conditions affecting the health of physically active people across the lifespan. Students learn to recognize signs, symptoms and predisposing factors of pathology along with appropriate interventions for treating medical conditions. Additionally students gain skill in analysis of evidence in relation to patient care while performing standard techniques and procedures for clinical examination and establishing appropriate referral. Laboratory experiences will be used to supplement classroom instructions.

### MSAT 634 Concepts in Therapeutic Interventions II
4 credit hours
Fall
Prerequisite: MSAT 534

Content will build upon concepts of therapeutic interventions established in MSAT 534. Students will develop an integrated approach to the treatment of injuries. Focus will be on the indications, contraindications, and operational protocols for therapeutic interventions relative to progressing through healing and restoring normal function and a highly competitive state for physically active individuals. Treatment effectiveness, patient satisfaction, and critical assessment of evidence in relation to patient care will be emphasized. Laboratory experiences will be used to supplement classroom instructions.
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MSAT 635</td>
<td>Psychosocial Strategies and Referral</td>
<td>2</td>
<td>Spring</td>
<td>MSAT 634</td>
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<td>Preparation in the ability to recognize patients</td>
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<td>who are exhibiting unhealthy</td>
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<td>in the physically active population will occur.</td>
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<td>Students will develop an</td>
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<td>Students will develop an advanced approach,</td>
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<td>including in-depth</td>
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<td>including in-depth application of</td>
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<td>psychosocial interventions,</td>
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<td>psychosocial interventions, to working</td>
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<td>Emphasis is placed on</td>
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<td>with injured or impaired active individuals.</td>
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<td>recognition, intervention,</td>
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<td>Emphasis is placed on recognition,</td>
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<td>and appropriate referral.</td>
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<td>MSAT 637</td>
<td>Professional Preparation in Athletic Training</td>
<td>2</td>
<td>Winter</td>
<td>Semester of or just prior to</td>
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<td>A focus on advanced concepts in professional</td>
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<td>graduation</td>
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<td>development. Students complete a self-assessment</td>
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<td>and construct a plan for continued professional</td>
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<td>development. Preparation for the Board of</td>
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<td>Certification exam is emphasized. Strategies</td>
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<td>related to enhancing leadership skills and the</td>
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<td>promotion of athletic training will be</td>
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<td>MSAT 638</td>
<td>Advanced Concepts in Athletic Training</td>
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<td>Spring</td>
<td>MSAT 634</td>
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<td></td>
<td>An advanced course that allows for examination</td>
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<td>of in-depth functional movement patterns and</td>
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<td>advanced athletic training techniques.</td>
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<td>Practical application of current concepts and</td>
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<td>evidence-based medicine are emphasized. The</td>
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<td>course also addresses concepts in mental health</td>
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<td></td>
<td>concerns and crisis management.</td>
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<td>Fee: $150 nonrefundable.</td>
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<td>MSAT 643</td>
<td>Research Seminar</td>
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<td>Fall</td>
<td>MSAT 544</td>
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<td>Students will complete a written manuscript and</td>
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<td>poster in preparation for presentation. Oral</td>
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<td>presentations may occur both on and off campus</td>
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<td>to peers and professionals. Emphasis is placed</td>
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<td></td>
<td>on written and oral communication skills.</td>
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<td>MSAT 650</td>
<td>Clinical Experience in Athletic Training V</td>
<td>4.5</td>
<td>Fall</td>
<td>MSAT 550</td>
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<td>Advanced clinical experience where students are</td>
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<td>responsible for assisting in the healthcare of</td>
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<td>patients during practices, games, treatments,</td>
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<td>and rehabilitation under the direct supervision</td>
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<td>of a preceptor. Demonstration of proficiency in</td>
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<td>skills up to and including clinical exam and</td>
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<td>diagnosis of injuries and basic therapeutic</td>
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<td>interventions is required. The incorporation of</td>
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<td>evidence-based practice principles including</td>
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<td>critical assessment of patient self-report</td>
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<td>measures will be emphasized. Further,</td>
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<td>foundational behaviors in the context of real</td>
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<td>patient care will be assessed. Clinical</td>
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<td>experience hours will be augmented with a</td>
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<td>seminar on methods to enhance clinical skills.</td>
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<td>Students are responsible for costs</td>
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<td>associated with travel to and from their</td>
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<td>clinical experiences.</td>
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<tr>
<td>MSAT 651</td>
<td>Clinical Experience in Athletic Training VI</td>
<td>4.5</td>
<td>Spring</td>
<td>MSAT 550</td>
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<td>Advanced clinical experience where students are</td>
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<td>patients during practices, games, treatments,</td>
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<td>and rehabilitation under the direct supervision</td>
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<td>of a preceptor. Students are required to</td>
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<td>integrate knowledge, skills, and clinical</td>
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<td>decision-making into actual client and patient</td>
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<td>care. Further foundational behaviors in the</td>
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<td>context of real patient care will be assessed.</td>
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<td>This clinical experience will also include an</td>
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<td>immersive component that allows the students</td>
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<td>to experience the totality of care provided by</td>
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<td>athletic trainers. During the immersive</td>
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<td>component, students will participate in the</td>
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<td>day-to-day and week-to-week role of an athletic</td>
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<td>trainer for a four-week period. Students are</td>
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<td>responsible for costs associated with travel to</td>
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<td></td>
<td>and from their clinical experiences.</td>
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</table>
The Master of Science in Physician Assistant Studies (MSPAS) program is a professional program designed for students who hold a bachelor's degree and want to pursue board certification as a PA by The National Commission on Certification of Physician Assistants (NCCPA) and licensure to practice medicine as a PA. Franklin College MSPAS received Accreditation-Provisional status from the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA). A degree from an ARC-PA accredited program is necessary for students to be eligible for the NCCPA Physician Assistant National Certifying Examination (PANCE).

Accreditation Statement
The Higher Learning Commission has granted approval for Franklin College to offer the Master of Science in Physician Assistant Studies.

The ARC-PA has granted Accreditation-Provisional status to the Franklin College Physician Assistant Program sponsored by Franklin College.

Accreditation-Provisional is an accreditation status granted when the plans and resource allocation, if fully implemented as planned, of a proposed program that has not yet enrolled students appear to demonstrate the program’s ability to meet the ARC-PA Standards or when a program holding Accreditation-Provisional status appears to demonstrate continued progress in complying with the Standards as it prepares for the graduation of the first class (cohort) of students.

Accreditation-Provisional does not ensure any subsequent accreditation status. It is limited to no more than five years from matriculation of the first class.

25-Month Professional Program
The MSPAS program is a 25-month, 111 credit full-time course of study. The curriculum is divided into a 12-month didactic phase, a 12-month clinical phase, and a 1-month capstone phase. The program begins a new cohort of students in January each year.

As the program is sequential, students must take all courses each semester and a part-time option is not available.

Advanced Placement and Transfer Policy
The Franklin College MSPAS program does not accept advanced placement or transfer credit for required curricular components. No credit will be awarded to students for prior work experience.

Additional Estimated Program Expenses
In addition to the above tuition/fees, the following are estimated expenses that are the responsibility of the student during the course of the program.

- Criminal Background Check/drug screen – $200
- Text books and course resources – $1000-$1500
- Laptop computer – $1500
- Diagnostic medical equipment – $800-$1000
- Memberships – $195 (IAPA $20, AAPA $75)
- Required certifications (BLS, ACLS) – $250
- Estimated housing and living expenses per year
- Room and board (off-campus) – $8500/year
- Transportation – $1000
- Vehicle parking permit (2 years) – $40

Upon completion of the MSPAS Program, students are responsible for the costs associated with the PA National Board Certifying Examination and the initial licensing fee in their chosen state for practice.

**MSPAS Admissions Process**

Step 1: Review the admission requirements and technical standards listed below
- Applicants will not be considered for an interview if they do not meet all of the requirements.

Step 2: Apply to the PA Program
- Applications for the cohort of students to begin in January 2021 will be accepted through the Central Application Service for Physician Assistants (CASPA) beginning April 30, 2020.
- Application deadline: September 1 with “Completed” status.
- It is the applicant’s responsibility to ensure that all application and supporting documents are submitted directly to CASPA by the deadline. Application materials sent directly to the program will not be accepted.
- Applications will not be considered if the application is not designated as “Complete” by CASPA prior to the deadline. Application, payments, transcripts, and at least two letters of reference must be received by 11:59 pm ET on the deadline date. To ensure items arrive on time, try to send all documents to CASPA several weeks before the deadline.
- The PA program conducts rolling admissions and it is possible that all interview slots may be filled prior to the application deadline. For this reason, it is recommended that applicants submit early in the application cycle.

Step 3: On-campus interviews
- Each completed and verified application is reviewed by the PA Program admission’s committee to evaluate a student’s qualifications for admission. Qualified applicants are invited to an on-campus interview which will assess knowledge of the PA profession, communication and interpersonal skills, and commitment to the mission of the PA program.

Step 4: Admission Decisions
- At the end of each interview session, applicants will be notified of admission decisions (accept, wait-list, denial) within 2 weeks of their on-campus interview. The PA program admits on a rolling basis.

Step 5: Pay your deposit
- Accepted students will have 2-3 weeks to accept or decline the offer. Upon acceptance of an offer, a $1000 non-refundable enrollment deposit must be made (Link) to hold the applicant’s spot in the class. The total deposit will be applied to the first semester tuition once the student matriculates.

Step 6: Prior to matriculation
- Obtain a physical exam and provide documented proof of program and college required immunizations. Program required immunizations are based on current Centers for Disease Control (CDC) recommendations for health professionals (https://www.cdc.gov/vaccines/adults/rec-vac/hcw.html). Proof of physical exam and immunizations should be submitted to the Student Health Center (http://franklincollege.edu/student-life/health-center/) for verification.
- Submit to a criminal background check through the agency selected by the PA program as required by clinical training sites and state licensing boards. Students will be subject to drug screens as required by clinical training sites. Cost of both of these screenings are the responsibility of the student and paid directly to the agency providing the screening.
• Provide documentation of current certification for American Heart Association (or equivalent) Basic Life Support (BLS) for Health Care Providers.

Admissions Requirements

- A Bachelor’s degree from a regionally accredited United States institution prior to matriculation into the PA program. Official transcripts conferring degrees completed after submitting the application through CASPA must be sent directly to the PA program at Franklin College.
- A minimum cumulative GPA of 3.0 is required. A minimum BCP GPA (biology, chemistry, and physics) of 3.0 as calculated by CASPA is also required. No individual course grades below a “C” may be counted for a pre-requisite course. Admission to MSPAS programs is highly competitive and a much higher GPA than the minimum is normally required for admission.

Required Classes

All pre-requisite course work should be completed prior to September 1st in the year before the January program start. However, a student should still apply early in the cycle with in-progress pre-requisite course(s). An applicant may complete a maximum of 1 course after September 1st. Official transcripts for any courses completed after submitting the application through CASPA must be sent directly to the PA program at Franklin College and demonstrate a “C” or better in the required course. Course/grade substitution may be requested only after a completed CASPA application is received.

- Chemistry (3)
  - General Chemistry with labs (2 semesters)
  - Organic Chemistry with lab (1 semester)
- Biology (5)
  - General Biology with labs (2 semesters)
  - Human Anatomy & Physiology with labs (2 semesters)
  - Microbiology with lab (1 semester)

*Chemistry and biology course work should be completed within 7 years of matriculation. Biology and chemistry courses designed for science majors are preferred. Non-science major and online lab courses, while accepted, are not preferred.

- Social Sciences (2)
  - General Psychology (1 semester)
  - 1 additional behavioral/social science class (1 semester)
- Statistics/Biostatistics (1)
  - Any course (1 semester)
- Composition/Communications (1)
  - 1 composition or communications course (1 semester)

Recommended Classes

- Medical terminology
- Biochemistry
- Bioethics
- Cell Biology
- Genetics

Patient Care Hours

A minimum of 200 documented patient care hours under the supervision of a licensed health care professional is required. This requirement will be waived for those applying in 2021.
Direct, hands-on patient care hours are intended to demonstrate the applicants experience working in a healthcare setting. Assessment of the quality of the patient care hours will be based upon the description of the applicant’s duties performed in terms of patient contact and interaction with other healthcare providers. Examples of direct patient care include but are not limited to nurse, certified nurse assistant (CNA), medical assistant, EMT, paramedic, emergency room tech, scribe, surgical tech, athletic trainer, PT aide, etc.

Physician Assistant Shadowing
We encourage you to observe (“shadow”) a PA in the field. We prefer PA shadowing in multiple specialties. Note: shadowing hours are recorded in CASPA and should not count towards your patient care hours.

Letters of Recommendation
Applicants must provide three letters of recommendation. One from a professor/instructor and one from a physician or other healthcare provider. The third letter is of the applicant’s choosing.

Special Consideration
The following admission and enrollment practices are followed.

- Franklin College students and graduates are at an advantage in the admission process. Any current Franklin College student or recent graduate (<5 years) that has met all of the standards for admission AND has a CASPA calculated cumulative and BCP GPAs of 3.4 or above will be guaranteed to move onto the interview phase of the admissions process. They are still required to submit an application to Franklin College through CASPA. Any Franklin College graduate that does not meet the above GPA requirement may still apply through CASPA and be considered for admission to the PA program.

- Applicants who meet any of the following criteria will receive additional consideration in the admissions process for each criterion met. Students must declare on their CASPA application under the Franklin College section that they wish to be considered.
  - Applicant is a graduate of Franklin College’s Professional Development Certificate Program
  - Applicant is from a medically underserved area or population in Indiana as designated by the Indiana State Department of Health.
  - Applicant is a member of an underrepresented in medicine populations as determined by the American Academy of Medical Colleges.
  - Applicant is a current or former member of the US military.

MSPAS orientation
All graduate students will be required to attend a master’s program orientation prior to the start of Winter (January) courses. A detailed description of orientation events will be included with students’ acceptance letters.

Graduation Requirements
To successfully graduate from the PA Program, students must:

1. Complete the entire program within three and one-half (3.5) academic years; and
2. Successfully complete and pass all required courses, rotations, and program requirements with a grade of C or better and have a minimum cumulative GPA of 3.00.

Academic Requirements
Students must complete and pass all semester courses before they can progress to the next semester of the program. Successful completion of a course is defined as the ability to demonstrate competence in course content. Criteria for successful completion of each course are conveyed to the student via the course syllabus.

Each student within the PA Program must maintain a minimum 3.0 (4.0 scale) cumulative GPA to maintain good standing in the program. Student progress in the program will be discussed continually by the program faculty at regularly
scheduled faculty meetings and at the conclusion of each semester. If a student’s term OR cumulative GPA falls below the 3.0 (4.0 scale) minimum, he/she will be placed on academic probation. Students will have one semester to improve his/her term AND cumulative GPA to acceptable standards (minimum 3.0) or risk being dismissed OR decelerated from the MSPAS Program following an evaluation of student progress by the Program Director and the faculty.

- A grade of “C” or higher is required for all required courses within the MSPAS program. If a student receives a “F” or below in a course required by the program, the course must be repeated and the student is placed on academic probation. The student will be removed from probation when he/she has successfully repeated the course with a “C” or higher. The MSPAS graduate students will be allowed a maximum of two (2) opportunities to successfully pass each course or rotation. They will be permitted to repeat a failed course or rotation only as part of a detailed remediation plan. Failure to pass a course or rotation on the second opportunity will result in academic dismissal from the program.

- All courses within the MSPAS program are sequential and are prerequisites for subsequent semester courses. MSPAS didactic courses are only offered once a year so any course that must be repeated will result in deceleration of the student from the current cohort. During the clinical year, repeated courses may result in a delay in graduation. The MSPAS program faculty and staff make every effort to provide support and access to appropriate assistance to help all students restore good academic standing.

- If a student is placed on probation a second time, either for low cumulative GPA or failure of a course, the student will be automatically dismissed from the MSPAS Program and graduate studies.

**Master of Science in Physician Assistant Studies**

**Didactic Year Curriculum**

**Winter Immersive (4-5 wks)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSPA 500 Principles of PA Practice I</td>
<td>1</td>
</tr>
<tr>
<td>MSPA 505 Foundations of Clinical Anatomy</td>
<td>2</td>
</tr>
<tr>
<td>MSPA 510 Intro to Pathophysiology</td>
<td>2</td>
</tr>
<tr>
<td>MSPA 515 Intro to Clinical Pharmacology</td>
<td>1</td>
</tr>
<tr>
<td>MSPA 520 Applied Patient Care I</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total hours</strong></td>
<td>8</td>
</tr>
</tbody>
</table>

**Spring Semester (15 wks)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MSPA 501 Principles of PA Practice II</td>
<td>1</td>
</tr>
<tr>
<td>MSPA 521 Applied Patient Care II</td>
<td>2</td>
</tr>
<tr>
<td>MSPA 530 Intro to Evidence-Based Practice</td>
<td>1</td>
</tr>
<tr>
<td>MSPA 550 Systems Pharmacology I</td>
<td>2</td>
</tr>
<tr>
<td>MSPA 560 Clinical Hematology and infectious disease</td>
<td>4</td>
</tr>
<tr>
<td>MSPA 561 Clinical HEENT</td>
<td>2.5</td>
</tr>
<tr>
<td>MSPA 562 Clinical Dermatology</td>
<td>1.5</td>
</tr>
<tr>
<td>MSPA 563 Clinical Pulmonology</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total hours</strong></td>
<td>18</td>
</tr>
</tbody>
</table>
**Summer Semester (12 wks)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSPA 502 Principles of PA Practice III</td>
<td>1</td>
</tr>
<tr>
<td>MSPA 522 Applied Patient Care III</td>
<td>2</td>
</tr>
<tr>
<td>MSPA 551 Systems Pharmacology II</td>
<td>2</td>
</tr>
<tr>
<td>MSPA 570 Clinical Cardiology</td>
<td>5</td>
</tr>
<tr>
<td>MSPA 571 Clinical Nephrology and Urology</td>
<td>3</td>
</tr>
<tr>
<td>MSPA 572 Clinical Orthopedics and Rheumatology</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total hours</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

**Fall Semester (16 wks)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSPA 503 Principles of PA Practice IV</td>
<td>1</td>
</tr>
<tr>
<td>MSPA 523 Applied Patient Care IV</td>
<td>3</td>
</tr>
<tr>
<td>MSPA 552 Systems Pharmacology III</td>
<td>2</td>
</tr>
<tr>
<td>MSPA 580 Clinical Gastroenterology</td>
<td>3</td>
</tr>
<tr>
<td>MSPA 581 Clinical Endocrinology</td>
<td>2</td>
</tr>
<tr>
<td>MSPA 582 Clinical Behavioral Medicine and Neurology</td>
<td>4</td>
</tr>
<tr>
<td>MSPA 583 Clinical Gynecology and Obstetrics</td>
<td>3</td>
</tr>
<tr>
<td>MSPA 584 Clinical Pediatrics</td>
<td>3</td>
</tr>
<tr>
<td>MSPA 590 Research Methods</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total hours</strong></td>
<td><strong>23</strong></td>
</tr>
</tbody>
</table>
Clinical Year Curriculum
Winter, Spring, Summer, and Fall Terms

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSPA 650 Surgery Clinical Course</td>
<td>4</td>
</tr>
<tr>
<td>MSPA 651 Internal medicine Clinical Course</td>
<td>4</td>
</tr>
<tr>
<td>MSPA 652 Emergency medicine Clinical Course</td>
<td>4</td>
</tr>
<tr>
<td>MSPA 653 Family medicine Clinical Course</td>
<td>4</td>
</tr>
<tr>
<td>MSPA 654 Women's Health Clinical Course</td>
<td>4</td>
</tr>
<tr>
<td>MSPA 655 Pediatrics Clinical Course</td>
<td>4</td>
</tr>
<tr>
<td>MSPA 656 Behavioral Medicine Clinical Course</td>
<td>4</td>
</tr>
<tr>
<td>MSPA 657 Clinical Elective 1</td>
<td>4</td>
</tr>
<tr>
<td>MSPA 658 Clinical Elective 2</td>
<td>4</td>
</tr>
</tbody>
</table>

**The order of rotations will be unique for each student**

Capstone Requirements

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSPA 630 Bridge to Clinical Practice I</td>
<td>1</td>
<td>Spring</td>
</tr>
<tr>
<td>MSPA 631 Bridge to Clinical Practice II</td>
<td>1</td>
<td>Summer</td>
</tr>
<tr>
<td>MSPA 632 Bridge to Clinical Practice III</td>
<td>1</td>
<td>Fall</td>
</tr>
<tr>
<td>MSPA 633 Bridge to Clinical Practice IV</td>
<td>4</td>
<td>Winter</td>
</tr>
<tr>
<td>MSPA 665 Community Engagement</td>
<td>2</td>
<td>Winter</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>MSPA 500</td>
<td>Principles of PA Practice I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>This is the first in a series of four courses that will focus on the non-clinical aspects of PA practice. This course introduces PA students to the Physician Assistant profession and discusses topics such as: licensing, credentialing, patient safety, risk management, professional organizations pertinent to students, the impact of US health care delivery system, public health policy, and inter-professional healthcare teams. Students will develop communication skills and define professionalism as it applies to the health care field.</td>
<td></td>
</tr>
<tr>
<td>MSPA 501</td>
<td>Principles of PA Practice II</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>This is the second in a series of four courses that will focus on the non-clinical aspects of PA practice. This course provides an overview of ethics and social issues in health care in a rapidly changing society. It teaches students to approach ethical dilemmas using theoretical frameworks and decision making processes. Instruction related to medical care and diversity prepares students to evaluate their own values and avoid stereotyping and assists students in becoming aware of differing health beliefs, values, and expectations of patients and other health care professionals. Includes a discussion of the Guidelines for Ethical Conduct for the Physician Assistant Profession.</td>
<td></td>
</tr>
<tr>
<td>MSPA 502</td>
<td>Principles of PA Practice III</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>This is the third in a series of four courses that will focus on the non-clinical aspects of PA practice. This course will continue to define the PA role in the healthcare system and apply knowledge learned in previous courses on ethics and social issues to case studies related to the body system being discussed in the clinical courses.</td>
<td></td>
</tr>
<tr>
<td>MSPA 503</td>
<td>Principles of PA Practice IV</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>This is the final course in a series of four courses that will focus on the non-clinical aspects of PA practice. This course will continue to define the PA role in the healthcare system and apply knowledge learned in previous courses on inter-professional healthcare teams to scenario-based activities with students in other healthcare professions.</td>
<td></td>
</tr>
<tr>
<td>MSPA 505</td>
<td>Foundations of Clinical Anatomy</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Prepares the student for clinical practice with an understanding of functional and applied anatomy stressing the normal landmarks and common clinical findings. Coordination and sequencing with Applied Patient Care I will occur to integrate clinical anatomy with physical examination skills. Additionally, this course contains an overview of neuroanatomy in preparation for learning the anatomy of each body system in the clinical medicine courses.</td>
<td></td>
</tr>
<tr>
<td>MSPA 510</td>
<td>Intro to Pathophysiology</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>This lecture based course introduces students to the pathophysiology and etiology of human disease states through genetic, molecular, physiological, and histological changes. The cell physiology portion of the course will present the physiological fundamentals and processes at the human cellular and tissue level which is needed as a foundation to understand pathophysiology. The genetics portion of the course will present the basic concepts and principles of genetics as a foundation to build upon the role of genetics in disease risk, development, and prevention which will be presented throughout the curriculum where clinically relevant.</td>
<td></td>
</tr>
</tbody>
</table>
### MSPA 515 Intro to Clinical Pharmacology  
**Winter**  
Prereq: Admission to MSPAS  
1 credit hour  
Develops an understanding of the theoretical concepts surrounding pharmacology, such as drug classifications, the pharmacokinetics and pharmacodynamics of drugs, adverse effects of drugs, the concepts surrounding pharmacotherapy, and the rationale for therapeutic use of prescription and nonprescription medications. The course will also explore the drug discovery and regulation process through integrating the Lilly “Making Medicine” module.

### MSPA 520 Applied Patient Care I  
**Winter**  
Prereq: Admission to MSPAS  
2 credit hours  
In the first of a four course series, this course will prepare students by developing skills in physical exams and documentation. In this lecture and laboratory based course, students will learn and practice the physical exam techniques necessary for patient care. Lectures will focus on the components of a comprehensive physical exam and laboratory sessions will focus on developing and practicing, towards a defined level of proficiency, the skills needed to complete a head to toe physical exam. Patient-centered communication skills will be incorporated throughout the course series.

### MSPA 521 Applied Patient Care II  
**Spring**  
Prereq: All winter term courses  
2 credit hours  
In the second of a four course series, this course continues to prepare students to begin patient care through developing skills in history taking, physical exams, and documentation of a full history and physical exams. During the term, students will complete a comprehensive head to toe screening exam. Advanced physical exam and special tests will be included based upon the body systems covered in the clinical medicine courses during the semester. The focus will be on developing a differential diagnosis using problem-based small group cases. Patient-centered communication skills will be incorporated throughout the course activities.

### MSPA 522 Applied Patient Care III  
**Summer**  
Prereq: All spring term courses  
2 credit hours  
In the third of a four course series, this course continues to prepare students to begin patient care through developing skills in history taking, physical exams, appropriate diagnostic test ordering, and documentation during chief complaint focused visits. Advanced physical exam and special tests will be included based upon the body systems covered in the clinical medicine courses during the semester. The focus will be on refining the differential diagnosis using problem-based small group cases and standardized patients. Patient-centered communication skills will be incorporated throughout the course activities.

### MSPA 523 Applied Patient Care IV  
**Fall**  
Prereq: All summer term courses  
3 credit hours  
In the final of a four course series, this course finishes preparing students to begin patient care through developing skills in history taking, physical exams, appropriate diagnostic test ordering, and documentation during chief complaint focused visits. Advanced physical exam and special tests will be included based upon the body systems covered in the clinical medicine courses during the semester. The focus will be on refining the differential diagnosis using problem-based small group cases and standardized patients. Additionally, the clinical skills necessary for patient care will be covered including surgical prep, splinting/casting, suturing, and IV’s. Patient-centered communication skills will be incorporated throughout the course activities.

### MSPA 530 Intro to Evidence-based Practice  
**Spring**  
Prereq: All winter term courses  
1 credit hour  
Introduces students to evidence-based medicine and provides an in-depth review of research methods used in clinical medicine. Emphasis is placed on clinical questions typically encountered in PA practice and the tools available to answer them.
MSPA 550 Systems Pharmacology I

Spring
Prereq: All winter term courses

In the first of a three course series, this course examines major classes of pharmacological agents, with special attention to mechanisms of therapeutic and adverse effects, including molecular, cellular, physiological, psychological, and pathological phenomena. The focus of this course is the immune system, infectious disease, hematology, integumentary system, HEENT system, and pulmonary system covered in the clinical medicine courses.

MSPA 551 Systems Pharmacology II

Summer
Prereq: All spring term courses

In the second of a three course series, this course examines major classes of pharmacological agents, with special attention to mechanisms of therapeutic and adverse effects, including molecular, cellular, physiological, psychological, and pathological phenomena. The focus of this course is the cardiovascular system, renal system, genitourinary system and musculoskeletal system covered in the clinical medicine courses.

MSPA 552 Systems Pharmacology III

Fall
Prereq: All summer term courses

In the final of a three course series, this course examines major classes of pharmacological agents, with special attention to mechanisms of therapeutic and adverse effects, including molecular, cellular, physiological, psychological, and pathological phenomena. The focus of this course is the gastrointestinal system, endocrine system, nervous system, behavioral and mental health, gynecological, obstetrics, and pediatrics covered in the clinical medicine courses.

MSPA 560 Clinical Hematology and Infectious Disease

Spring
Prereq: All winter term courses

Systems-based course addressing anatomy, physiology, pathophysiology, clinical medicine, and diagnostic testing involving the hematology and infectious disease across the lifespan. This course will include modules on the structure of the immune system and a review of the microbiology of organisms. Appropriate ordering and interpretation of diagnostic tests as related to the disease states presented will be included.

In conjunction with the Applied Patient Care II course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this organ system along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning sessions.

MSPA 561 Clinical HEENT

Spring
Prereq: All winter term courses

Systems-based course addressing anatomy, physiology, pathophysiology, clinical medicine, and diagnostic testing involving the HEENT system across the lifespan. Appropriate ordering and interpretation of diagnostic tests as related to the disease states presented will be included.

In conjunction with the Applied Patient Care II course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this organ system along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning sessions.
### MSPA 562 Clinical Dermatology

<table>
<thead>
<tr>
<th>1.5 credit hours</th>
<th>Spring</th>
<th>Prereq: All winter term courses</th>
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</thead>
</table>

Systems-based course addressing anatomy, physiology, pathophysiology, clinical medicine, and diagnostic testing involving the integumentary system across the lifespan. Appropriate ordering and interpretation of diagnostic tests as related to the disease states presented will be included.

In conjunction with the Applied Patient Care II course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this organ system along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning sessions.

### MSPA 563 Clinical Pulmonology

<table>
<thead>
<tr>
<th>4 credit hours</th>
<th>Spring</th>
<th>Prereq: All winter term courses</th>
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</thead>
</table>

Systems-based course addressing anatomy, physiology, pathophysiology, clinical medicine, and diagnostic testing involving the pulmonary system across the lifespan. Appropriate ordering and interpretation of diagnostic tests including chest x-ray and chest CT as related to the disease states presented will be included.

In conjunction with the Applied Patient Care II course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this organ system along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning sessions.

### MSPA 570 Clinical Cardiology

<table>
<thead>
<tr>
<th>5 credit hours</th>
<th>Summer</th>
<th>Prereq: All spring term courses</th>
</tr>
</thead>
</table>

Systems-based course addressing anatomy, physiology, pathophysiology, clinical medicine, and diagnostic testing involving the cardiovascular system across the lifespan. Appropriate ordering and interpretation of diagnostic tests including ECG, cardiac markers, radiographic imaging, and stress testing will be covered.

In conjunction with the Applied Patient Care III course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this organ system along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning sessions.

### MSPA 571 Clinical Nephrology and Urology

<table>
<thead>
<tr>
<th>3 credit hours</th>
<th>Summer</th>
<th>Prereq: All spring term courses</th>
</tr>
</thead>
</table>

Systems-based course addressing anatomy, physiology, pathophysiology, clinical medicine, and diagnostic testing involving the renal and urinary systems across the lifespan. Appropriate ordering and interpretation of diagnostic tests including urinalysis, ultrasound, and CT scan as related to the disease states presented will be covered.

In conjunction with the Applied Patient Care III course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this organ system along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning sessions.
MSPA 572 Clinical Orthopedics and Rheumatology  
4 credit hours  
Summer  
Prereq: All spring term courses  

Systems-based course addressing anatomy, physiology, pathophysiology, clinical medicine, and diagnostic testing involving the orthopedics and rheumatic systems across the lifespan. Appropriate ordering and interpretation of diagnostic tests including x-ray, MRI, joint fluid analysis, and laboratory markers as related to the disease states presented will be covered.

In conjunction with the Applied Patient Care III course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this organ system along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning sessions.

| MSPA 580 Clinical Gastroenterology | 3 credit hours |  
| Fall | Prereq: All summer term courses |  

Systems-based module addressing anatomy, physiology, pathophysiology, clinical medicine, and diagnostic testing involving the gastroenterology across the lifespan. Appropriate ordering and interpretation of diagnostic tests including abdominal x-ray, CT scan, endoscopy, colonoscopy, liver function tests, and other laboratory markers as related to the disease states presented will be covered.

In conjunction with the Applied Patient Care IV course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this organ system along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning sessions.

| MSPA 581: Clinical Endocrinology | 2 credit hours |  
| Fall | Prereq: All summer term courses |  

Systems-based module addressing anatomy, physiology, pathophysiology, clinical medicine, and diagnostic testing involving the endocrine system across the lifespan. Appropriate ordering and interpretation of diagnostic tests as related to the disease states presented will be covered.

In conjunction with the Applied Patient Care IV course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this organ system along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning sessions.

| MSPA 582 Clinical Behavioral Medicine and Neurology | 4 credit hours |  
| Fall | Prereq: All summer term courses |  

Systems-based module addressing anatomy, physiology, pathophysiology, clinical medicine, and diagnostic testing involving the behavioral medicine and neurology systems across the lifespan. Appropriate ordering and interpretation of diagnostic tests as related to the disease states presented will be covered.

In conjunction with the Applied Patient Care IV course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this organ system along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning sessions.
MSPA 583 Clinical Gynecology and Obstetrics 3 credit hours
Fall
Prereq: All summer term courses

Systems-based course addressing anatomy, physiology, pathophysiology, clinical medicine, and diagnostic testing in gynecology and obstetrics. Appropriate ordering and interpretation of diagnostic tests as related to gynecology and prenatal screening will be covered.

In conjunction with the Applied Patient Care IV course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this system along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning sessions.

MSPA 584 Clinical Pediatrics 3 credit hours
Fall
Prereq: All summer term courses

Systems-based course addressing development, clinical medicine, pathophysiology, and diagnostic testing in the pediatric population. The course builds upon the knowledge attained in previous clinical medicine courses and applies it to the recognition, evaluation, treatment and management, including referral of common clinical conditions and diseases seen in the pediatric population.

In conjunction with Applied Patient Care IV course, students will be provided the opportunity to apply their newly learned medical knowledge regarding conditions and disease states in this population along with evidence based medicine approaches and health promotion and disease prevention concepts to the ongoing development of their history taking and physical examination and critical thinking skills in case based learning dynamics.

MSPA 590 Research Methods 2 credit hours
Fall
Prereq: All summer term courses

Introduces students to research methods and application in the clinical setting. Covers basic concepts of epidemiology and statistics related to medical practice. Prepares students to complete capstone Community Engagement Project.

MSPA 630 Bridge to Clinical Practice I 1 credit hour each
Spring
Prereq: All didactic year courses

Provides students with the opportunity to reflect on their clinical experiences and to share best practices related to being a practicing physician assistant. Focuses on students’ work in collaborative, inter-professional, patient-centered teams, and the development of problem solving and medical decision-making skills. Students will present evidence-based medicine cases in a grand rounds format.

MSPA 631 Bridge to Clinical Practice II 1 credit hour each
Summer
Prereq: All didactic year courses

Provides students with the opportunity to reflect on their clinical experiences and to share best practices related to being a practicing physician assistant. Focuses on students’ work in collaborative, inter-professional, patient-centered teams, and the development of problem solving and medical decision-making skills. Students will present evidence-based medicine cases in a grand rounds format.
MSPA 632 Bridge to Clinical Practice III 1 credit hour each
Fall
Prereq: All didactic year courses

Provides students with the opportunity to reflect on their clinical experiences and to share best practices related to being a practicing physician assistant. Focuses on students’ work in collaborative, inter-professional, patient-centered teams, and the development of problem solving and medical decision-making skills. Students will present evidence-based medicine cases in a grand rounds format.

MSPA 633 Bridge to Clinical Practice IV 4 credit hours
Winter
Prereq: All didactic year courses

Assists students with the transition of becoming a clinically practicing physician assistant. Provides information on how to prepare for the new career, including obtaining certification, licensure, malpractice insurance, laws and regulations, and other essential items needed before beginning practice. Students will also spend significant time preparing for the PANCE exam.

MSPA 650 Surgery Clinical Course 4 credit hours
Spring, Summer, Fall
Prereq: All didactic year courses

This is a five-week required clinical rotation for a second-year PA student which focuses on the role of the physician assistant in general surgery. The rotation is designed to provide students with supervised medical and clinical practice experiences enabling them to meet program expectations (outcomes) and acquire the competencies needed for entry-level clinical PA practice.

Under the supervision of a surgery clinical preceptor designated by the PA program, the student will gain experience focusing on the care of the surgical patient and the role of the physician assistant in the surgical patient management team to include the pre-operative, intra-operative, and post-operative care and management. In addition, students will work toward expanding their knowledge of surgical care as well as their surgical skills through active participation and engagement as part of the surgical team both within the hospital and operating room settings. For the Surgery Clinical Course, the program-determined preceptor will be a physician who is board certified in general surgery or a PA that is supervised by a board certified surgeon.

The student will actively engage in applying medical knowledge and clinical skills gained during the didactic year and demonstrate continued development of interpersonal, clinical and technical skills, professional behaviors, clinical reasoning and problem solving as applied to the evaluation and management of problems encountered in the inpatient surgical setting.

MSPA 651 Internal Medicine Clinical Course 4 credit hours
Spring, Summer, Fall
Prereq: All didactic year courses

This is a five-week required clinical rotation for a second-year PA student which focuses on the role of the physician assistant in internal medicine. The rotation is designed to provide students with supervised medical and clinical practice experiences enabling them to meet program expectations (outcomes) and acquire the competencies needed for entry-level clinical PA practice.

Under the supervision of an internal medicine clinical preceptor designated by the PA program, the student will gain experience in the diagnosis and treatment of adult diseases in the hospital/inpatient setting which will allow the student to focus on the management of more complex patients requiring hospitalized care. For the Internal Medicine Clinical Course, the program-determined preceptor will be a physician who is board certified in internal medicine or a PA that is supervised by a board certified internal medicine physician.

The student will actively engage in applying medical knowledge gained during the didactic year and demonstrate continued development of interpersonal, clinical and technical skills, professional behaviors, clinical reasoning and problem solving.
MSPA 652 Emergency Medicine Clinical Course

<table>
<thead>
<tr>
<th>Spring, Summer, Fall</th>
<th>4 credit hours</th>
</tr>
</thead>
</table>
Prereq: All didactic year courses

This is a five-week required clinical rotation for second year PA students which focus on the role of the physician assistant in the emergency department setting. The rotation is designed to provide students with supervised medical and clinical practice experiences enabling them to meet program expectations (outcomes) and acquire the competencies needed for entry-level clinical PA practice.

Under the supervision of an emergency medicine clinical preceptor designated by the PA program, the student will gain knowledge and experience in the rapid and methodical assessment, evaluation, stabilization and treatment of acutely ill, traumatic, urgent, life threatening and/or emergent pediatric, adult and geriatrics patient patients and work as a member of the emergency department team. For the Emergency Medicine Clinical Course, the program-determined preceptor will be a physician who is board certified in emergency medicine or a PA that is supervised by a board-certified emergency medicine physician.

The student will actively engage in applying medical knowledge gained during the didactic year and demonstrate continued development of interpersonal, clinical and technical skills, professional behaviors, clinical reasoning and problem solving to the evaluation and management of acute, urgent and emergent problems commonly encountered in emergency medicine.

MSPA 653: Family Medicine Clinical Course

<table>
<thead>
<tr>
<th>Spring, Summer, Fall</th>
<th>4 credit hours</th>
</tr>
</thead>
</table>
Prereq: All didactic year courses

This is a five-week required clinical rotation for a second-year PA student which focuses on the role of the physician assistant in family medicine. The rotation is designed to provide students with supervised medical and clinical practice experiences enabling them to meet program expectations (outcomes) and acquire the competencies needed for entry-level clinical PA practice.

Under the supervision of a family medicine clinical preceptor designated by the PA program, the student will gain experience in the evaluation, treatment, and management including referral of common diseases and conditions encountered in an outpatient family medicine setting emphasizing adolescent, adult, and geriatric patients. Students will perform history and physical exams, obtain/interpret diagnostic testing and develop differential diagnosis/treatment plans. Students may perform clinical procedures at the discretion of the preceptor. For the Family Medicine Clinical Course, the program-determined preceptor will be a physician who is board certified in Family Medicine or a PA that is supervised by a board certified Family Medicine physician.

The student will actively engage in applying medical knowledge gained during the didactic year and demonstrate continued development of interpersonal, clinical and technical skills, professional behaviors, clinical reasoning and problem solving.
### MSPA 654: Women’s Health Clinical Course

| Spring, Summer, Fall | 4 credit hours | Prereq: All didactic year courses |

This is a five-week required clinical rotation for a second-year PA student which focuses on the role of the physician assistant in women’s health. The rotation is designed to provide students with supervised medical and clinical practice experiences enabling them to meet program expectations (outcomes) and acquire the competencies needed for entry-level clinical PA practice.

Under the supervision of a women’s health clinical preceptor designated by the PA program, the student will gain experience in the evaluation, treatment, and management of common diseases and conditions encountered in gynecology and obstetrics care. Students will perform history and physical exams, obtain/interpret diagnostic testing and develop differential diagnosis/treatment plans. Students may perform clinical procedures at the discretion of the preceptor. For the Women’s Health Clinical Course, the program-determined preceptor will be a physician who is board certified in obstetrics and gynecology or a PA that is supervised by a board certified ob/gyn physician.

The student will actively engage in applying medical knowledge gained during the didactic year and demonstrate continued development of interpersonal, clinical and technical skills, professional behaviors, clinical reasoning and problem solving.

### MSPA 655: Pediatrics Clinical Course

| Spring, Summer, Fall | 4 credit hours | Prereq: All didactic year courses |

This is a five-week required clinical rotation for a second-year PA student which focuses on the role of the physician assistant in pediatrics. The rotation is designed to provide students with supervised medical and clinical practice experiences enabling them to meet program expectations (outcomes) and acquire the competencies needed for entry-level clinical PA practice.

Under the supervision of a pediatrics clinical preceptor designated by the PA program, the student will gain experience in the evaluation, treatment, and management including referral of common diseases and conditions encountered in an outpatient pediatric setting emphasizing infants, children, or adolescent patients. Students will perform history and physical exams, obtain/interpret diagnostic testing and develop differential diagnosis/treatment plans. Students may perform clinical procedures at the discretion of the preceptor. For the Pediatrics Clinical Course, the program-determined preceptor will be a physician who is board certified in pediatrics or a PA that is supervised by a board certified pediatric physician.

The student will actively engage in applying medical knowledge gained during the didactic year and demonstrate continued development of interpersonal, clinical and technical skills, professional behaviors, clinical reasoning and problem solving.

### MSPA 656: Behavioral Medicine Clinical Course

| Spring, Summer, Fall | 4 credit hours | Prereq: All didactic year courses |

This is a five-week required clinical rotation for a second-year PA student which focuses on the role of the physician assistant in behavioral medicine. The rotation is designed to provide students with supervised medical and clinical practice experiences enabling them to meet program expectations (outcomes) and acquire the competencies needed for entry-level clinical PA practice.

Under the supervision of a behavioral medicine clinical preceptor designated by the PA program, the student will gain knowledge and experience toward the refinement of skills needed for the unique medical, physiological, behavioral and psychosocial components and issues common to the practice of psychiatry, behavioral and mental health. Students will work to adapt the standard medical history, physical examination, diagnostic and treatment plans to the psychiatric patient. For the Behavioral Medicine Clinical Course, the program-determined preceptor will be a physician who is board certified in psychiatry or a PA that is supervised by a board certified psychiatrist.

The student will actively engage in applying medical knowledge gained during the didactic year and demonstrate continued development of interpersonal, professional behaviors, clinical reasoning and problem solving.
### MSPA 657 Elective Clinical Course

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Terms</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSPA 657 Elective Clinical Course</td>
<td>4</td>
<td>Spring, Summer, Fall</td>
<td>All didactic year courses</td>
</tr>
</tbody>
</table>

Each student is granted to opportunity to complete two five week elective rotations designed to facilitate the student's ability to evaluate health-related problems encountered in an area of medical interest. It can include the choice to obtain additional experience in one or two of the core rotation disciplines or other medical specialties.

Under the supervision of a clinical preceptor designated by the PA program, the student will gain knowledge and experience in the evaluation, treatment, and management including referral of common diseases and conditions encountered in the chosen discipline or medical specialty. During one of the elective rotation blocks the student will have a rotation deliverable, which will be an inter-professionalism project.

The student will actively engage in applying medical knowledge gained during the didactic year and demonstrate continued development of interpersonal, clinical and technical skills, professional behaviors, clinical reasoning and problem solving.

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### MSPA 658 Elective Clinical Course

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Terms</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSPA 658 Elective Clinical Course</td>
<td>4</td>
<td>Spring, Summer, Fall</td>
<td>All didactic year courses</td>
</tr>
</tbody>
</table>

Each student is granted to opportunity to complete two five week elective rotations designed to facilitate the student's ability to evaluate health-related problems encountered in an area of medical interest. It can include the choice to obtain additional experience in one or two of the core rotation disciplines or other medical specialties.

Under the supervision of a clinical preceptor designated by the PA program, the student will gain knowledge and experience in the evaluation, treatment, and management including referral of common diseases and conditions encountered in the chosen discipline or medical specialty. During one of the elective rotation blocks the student will have a rotation deliverable, which will be an inter-professionalism project.

The student will actively engage in applying medical knowledge gained during the didactic year and demonstrate continued development of interpersonal, clinical and technical skills, professional behaviors, clinical reasoning and problem solving.

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### MSPA 665: Community Engagement

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Terms</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSPA 665: Community Engagement</td>
<td>2</td>
<td>Summer, Winter</td>
<td>All didactic year courses</td>
</tr>
</tbody>
</table>

Students will select a health promotion/disease prevention topic of interest and design and create a methodology and curriculum for an educational presentation. Students will collect and analyze data and present results to faculty, staff, community partners, and fellow students.
MS Athletic Training Summer Session • 2021-2022
Orientation ......................................................... July 9
Classes begin & Self Service registration closes .......... July 12
Last day of classes .............................................. Aug. 20

FALL SEMESTER • 2021-2022

New students arrive ............................................. Aug. 25
Bell Ceremony ..................................................... Aug. 26
Returning students arrive ..................................... Aug. 29
Classes begin & Self Service registration closes .... Aug. 30
Labor Day, college closed ...................................... Sept. 6
Last day to add a class or declare audit or pass/fail .... Sept. 7
Last day to drop a class ........................................ Sept. 7
Winter & Spring classes posted on Self Service .......... Oct. 5
Early alert grades for new students due by noon .... Oct. 5
Senior Competency period begins .......................... Oct. 11
Incomplete grades from Spring & Summer due .... Oct. 12
Mid-term grades due by noon ............................... Oct. 19
Fall Break ......................................................... Oct. 21-22
Last day to add second half semester classes .......... Oct. 26
New students register for winter term .................... Oct. 26
Registration for Winter & Spring begins ................ Nov. 1
Last day to withdraw from a class ......................... Nov. 2
Senior Competency period ends ............................ Nov. 12
Last day to drop second half semester classes .... Nov. 12
Thanksgiving break .......................................... Nov. 24-26
Last day to submit Incomplete grade requests .......... Dec. 10
Last day of classes ............................................. Dec. 10
Final exam period .............................................. Dec. 13-16
Holiday break begins after exams ....................... Dec. 16
Final grades due by noon .................................... Dec. 20

IMMERSIVE TERM • 2021-2022

First day of classes ........................................... Jan. 3
Last day to add a class or declare audit & pass/fail ... Jan. 4
Last day to drop a class ....................................... Jan. 6
Last day of classes ............................................. Jan. 21
Final grades due by noon .................................... Jan. 25
No Classes/”Pivot” .............................................. Jan. 24-28

SPRING SEMESTER • 2021-2022

Classes begin & Self Service registration closes .......... Jan. 31
Last day to add a class or declare audit or pass/fail ... Feb. 4
Degree applications due ....................................... Feb. 18
Last day to drop a class ....................................... Feb. 18
Summer & Fall classes posted on Self Service .......... Feb. 21
Senior Competency period begins ........................ Mar. 14
Registration for Summer & Fall begins .................. Mar. 14
Incomplete grades from Fall & Winter due ............. Mar. 15
Mid-term grades due by noon ............................... Mar. 21
Spring Break .................................................... Mar. 28-Apr. 1
Last day to add second half semester classes ........ Apr. 5
Last day to withdraw from a class ......................... Apr. 8
Senior Competency period ends ............................ Apr. 22
Last day to drop second half semester classes .... Apr. 22
Scholars Day – No Classes (tentative date) .............. May 3
Senior tentative grades due ................................. May 9
Last day to submit Incomplete grade requests .......... May 13
Last day of classes ............................................. May 13
Final exam period ............................................. May 16-19
Senior final grades due by noon ........................... May 19
Commencement ................................................ May 21
Final grades due by noon .................................... May 24
Memorial Day, college closed ............................... May 30

SUMMER SESSION • 2021-2022

First day of Summer Session I classes ..................... June 1
Last day to add/drop a class or declare audit or pass/fail (SSI) June 2
Last day to withdraw from Session I classes .......... June 7
Last day of Summer Session I, 4.5 week classes .... July 1
Independence Day observed, college closed .......... July 4
Final grades for Session I, 4.5 week classes due at noon July 5
First day of Summer Session II classes .................... July 6
Last day to add/drop a class or declare audit or pass/fail (SSI) July 7
Last day to withdraw from Session II classes .......... July 12
Last day of Summer Session I, 8 week classes .......... July 27
Final grades for Session I, 8 week classes due at noon July 29
First day of Summer Session II classes .................... Aug. 5
Final grades for Summer Session II due at noon .... Aug. 9
People

Board of Trustees

Executive Committee
Chair of the Board: James V. Due
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Immediate Past Chair: Christine S. Fields
Secretary: Stephen L. Huddleston
Treasurer: James T. Napolitan
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Chair, Student Affairs Committee: Natalie R. Roberts
Chair, Physical Facilities Committee: Susan Williams
Chair, Development Committee: Devin D. Anderson
Chair, Finance Committee: Peter T. Cangany
Chair, Trusteeship Committee: Douglas L. Tillman
Chair, Enrollment Management Committee: Robert B. Brown
Chair, Investment Committee: John R. Talley
Chair, Audit Committee: Worth E. Holt, Jr.
Chair, President’s Committee: John W. Auld, Jr.

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Devin D. Anderson ’86, Indianapolis, Indiana; president and CEO, E & A Companies
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*Todd Bemis ’84, Bargersville, Indiana; president, Bemis Group
Douglas R. Brown, Indianapolis, Indiana; principal & senior policy advisor, Bose Public Affairs Group, LLC
Robert B. Brown, Carmel, Indiana; chief executive officer, Brickell Biotech, Inc.
Peter T. Cangany, Jr. ’80, Bellevue, WA; retired senior partner, Ernst & Young LLP.
Robert A. DeVoss ’69, Carmel, Indiana; retired partner/president, Retirement Management, Inc.
Dr. Susan Johnson DeVoss ’74(’14), Fort Wayne, Indiana; retired vice president of human resources, Chase Manhattan Bank
John R. Dickerson ’75, Indianapolis, Indiana; director, Indianapolis Facility Center, US Homeland Security-Customs & Border
James V. Due ’82, Chicago, Illinois; senior vice president-head of banking, global family & private investment offices, Northern Trust
David H. Dunkle, M.D. ’94, Greenwood, Indiana; president and chief executive officer, Johnson Memorial Health
Cathy Dunn, Columbus, Indiana; president, Dunn & Associates Benefit Administrators, Inc.
Dr. Christine S. Fields ’74(’19), Indianapolis, Indiana; retired vice president and general counsel, international operations, Eli Lilly and Company
E. Lynn Grayson ’83, Lake Geneva, Wisconsin; attorney/partner, Nijman Franzetti
Daniel P. Hann, Leesburg, Indiana; retired senior vice president, business development, Biomet, Inc.
Deana Haworth ’99, Indianapolis, Indiana; chief operating officer, Hirons
Major General, USAF (ret.) Worth E. Holt, Jr., MD, MMM, Fishers, Indiana; healthcare administrator/physician, chief medical officer, Wellvana Health
Dr. Stephen L. Huddleston ’06, Franklin, Indiana; attorney
Katharine Kruse, Indianapolis, Indiana; director, Mothershead Foundation
James T. Napolitan, PhD ’12, Chicago, Illinois; commodity trader, Chicago Mercantile Exchange
Michael W. O’Dell, MD, ’81, New York, NY; chief of clinical services and professor of clinical rehabilitation medicine, Weill Cornell Medical Center

Natalie R. Roberts ’94, Franklin, Indiana; vice president of employer engagement, Vital Incite: Population Health Solutions

Rafael S. Sánchez, Jr. ’92, Franklin, Indiana; News Anchor, WRTV Channel 6

J. Randall Stocklin ’00, Chicago, Illinois; co-founder and chief executive officer, One Click Ventures

John R. Talley, Franklin, Indiana; former president, ProLiance Holdings

Sean G. Thomasson, Columbus, Indiana; attorney, founding partner, Thomasson, Thomasson, Long, and Guthrie

Dr. Douglas L. Tillman ’70 (’20), Indianapolis, Indiana; retired associate general counsel, Eli Lilly and Company

Carol S. Tumey ’63, Greenwood, Indiana; retired athletic administrator, Center Grove High School

Susan Williams ’67, Indianapolis, Indiana; retired president, Indiana Sports Corporation

Theressa J. Wright, M.D. ’72, Indianapolis, Indiana; retired senior medical fellow, consultant – cardiology & early phase medicine, global patient safety, Eli Lilly and Company

Trustees Emeriti

William R. Brown ’61, Indianapolis, Indiana

Mary Ann Collier, San Francisco, California

Dr. Eugene L. Henderson ’50 (’74), Indianapolis, Indiana

Pamela Herring Hicks ’56, Greenwood, Indiana

Dr. John D. Peterson (’17), Zionsville, Indiana

Philip L. Powell, ’73, Greenwood, Indiana

William J. Receveur III ’72, Louisville, Kentucky

Jane Hoffmeister Repp ’60, Naples, Florida

The Honorable Robert D. Schafstall ’65, Franklin, Indiana

T. Randall Tucker ’53, Columbus, Indiana

Constance Richardson Van Valer, M.D. ’59, Indianapolis, Indiana

*Alumni Representatives to the Board

Franklin College alumni have class year following name.

Franklin College honorary degree recipients have (award year) following name.
Administration and Support Staff

(Note: Beginning year of employment with Franklin College is listed following each name, along with degrees earned.)

President: Kerry N. Prather – 1982; BS and MS, Indiana University
Assistant to the President and Secretary to the Board: Janet Schantz - 1975; BA, Franklin College
Special Events Assistant: Ann Barton – 1983; AB, Indiana University; MA, Ball State University

Vice President of Academic Affairs and Dean of the College: Kristin C. Flora – 2007; BS, Valparaiso University; MS and PhD, University of Wisconsin - Milwaukee

Assistant to the Vice President of Academic Affairs: Natalie Dilbone—2017; BA, Franklin College

Director of Professional Development: Jeremy VanAndel—2019; BA, Indiana University-Purdue University Fort Wayne; MBA, University of Indianapolis
Director of Global Education: Jennifer Cataldi – 2013; BA, Franklin College; MA, Roehampton University
Director of Career Services: Kirk Bixler – 2000; BA, Earlham College; MA, Ball State University

Registrar: Lisa Mahan - 1989; BA, Franklin College, MISM Keller Graduate School of Management, DeVry University
Associate Registrar: Jarrod Brett – 2003; BA, Franklin College; MA Indiana University
Assistant Registrar: Amy Faught-Smith—2020; BS, Indiana Institute of Technology

Director of Academic Partnerships: Betsy Schmidt - 1989; BA, Franklin College; MBA, University of Indianapolis
Director of the Library: Denise Shorey – 2016; BA, University of the West Indies; MLS, Rutgers University
Reference/Instruction Librarian: Jessica M. Mahoney – 2011; BA, Franklin College; MLS, Indiana University

Director of the Pulliam School of Journalism: John Krull – 2004; BA, Franklin College; MA, St. Louis University

Vice President of Strategic Enrollment and Marketing: Thandabantu Maceo—2020; BS, Xavier University; MBA, Heidelberg University
Administrative Assistant to the Vice President & Director of Financial Aid: Tina Maxwell—2018

Director of Admissions: Ryan McClarnon—20220; MA & BA, University of Indianapolis
Assistant Director of Admissions & Coordinator of Transfer Recruitment: Kyle Sauley—2020; BA, Franklin College
Assistant Director of Admissions & Coordinator of Campus Visits and Special Events: Haedyn (Jennifer) Scgalski—2019; BA, Franklin College; MS, Baldwin Wallace University
Assistant Director of Admissions & Coordinator of International Recruitment: Tina Rong—2021; BA, MA, Tiffin University

Associate Director of Multicultural Recruitment: Myron C. Duff—2020; BA, Ball State University; MA, Miami University; PhD, Indiana University
Senior Counselor: William (Chris) Wilham—2018; BA, Franklin College
Admissions Counselors:
Weston Deshon—2020; BA, Franklin College
Brandon Eades—2021; BA, Franklin College
Amanda Yolles—2021; BS, Maryville University
Admissions Enrollment Assistant: Breanna Shepherd—2021; BA, Franklin College

Director of Financial Aid: James Vincent-Dunn – 2016; BA, Manchester College; MA, IUPUI
Assistant Director of Financial Aid: Kelly Casey—2019; BA, Ball State University

Director of Data Analytics and Market Research: Adam Hearn—2021; BA, Rhodes University; MS, Georgetown University
CRM Administrator: Jamie Robinson-Johnson—2021; BS, Ohio State University
Director of Marketing: Ann Smith—2014; BA, William Jewell College
Graphic Web Designer: Sandy Shoaf—2019; BA, Brigham Young University

Vice President and Chief Financial Officer: TBA—2021
Assistant Vice President and Controller: Jared Sabelhaus – 2013; BA, Franklin College; MBA Indiana Wesleyan University
Business Office Manager: Brad Jones – 2005; BA, Franklin College
Director of Human Resources and Title IX Coordinator: June Henderson - 2018; BS, Texas Southern University, PHR, SHRM-CP
General Manager of Campus Dining Services (Parkhurst): Deva Duncan – 2019
Manager of Bookstore (Follett): Matthew Neau—2018; BS, Louisiana State University
Director of Campus Security: Steve Leonard – 1998
Assistant Vice President of Physical Facilities: Tom Patz – 1991; BS, Ball State University; Certificate in Hazardous Materials Management, Indiana University, MA – Ball State, in Adult &Community Education
Project Manager & Facilities Office Supervisor: Emily Marten – 2012; BA University of Dayton
Event Planning Coordinator: Lexi Sevigny – 2020
Superintendent, Building Services: TBA—2021
Supervisor, HVAC and Plumbing: Thomas (Doug) DeWees—1998; AS, Community College of the United States Air Force
Supervisor, Electrical and General Trades: Craig Parker—2009; BA, Franklin College; MFA, Butler University
Supervisor, Grounds: Tom Stubbeman – 2011; BS, Indiana State University

Vice President for Institutional Advancement: Dana Cummings – 2018; BA, DePauw University; MPA in Nonprofit Management, Indiana University-Bloomington School of Public and Environmental Affairs
Director of Alumni Engagement and Campus Partnerships: Emily Wood-2013; BA, Franklin College
Director of Communication: Deidra Baumgardner – 2002; BS, Ball State University
Director of Development Information & Analytics: Adam Dunigan—2009 , BA, Franklin College
Director of Planned Giving: Nora Brems – 2008; BA, Franklin College
Director of Development: TBA
Assistant Vice President of Alumni Engagement and Annual Giving: Lee Ann Jourdan-2018; BS, Indiana University-Bloomington
Assistant Director of Gift Administration and Database Management: Sherri Dunn-2015; BS, Indiana University-Purdue University of Indianapolis
Assistant Director of Annual Giving and Special Projects: TBA
Assistant Director of Alumni Communications and Events: Hannah Abraham—2017, BA, Franklin College
Office of Marketing and Communications Assistant: Brenda Ferguson – 2009; BA, Franklin College
Publications Editor: Amy VerSteeg – 2004; BA, Franklin College

Vice President for Student Development and Dean of Students: Andrew Jones-2019; BM, Butler University; MS, Butler University; Ed.D., Indiana University-Bloomington
Director of Student Involvement and Greek Life: Ernest Evans—2021; BA, Indiana University Purdue University Indianapolis; MS, Indiana University
Assistant Director of Student Involvement: Beth Ostendorf—2018; BA & MA, Taylor University
Program Coordinator: Kandra Sejas—2019; BA, Marian College; MA, Wright State University
Associate Dean for Student Success: Kellie Schmidt—2014; BA, Franklin College; MA University of St. Mary; MA, University of Indianapolis
Director of First Year Engagement: Sonnie Terrell—2017; BA, Franklin College; MS, Smith College
Administrative Assistant for the Centers for Student Success and Diversity & Inclusion: Alex Martin—2021; BA, Ball State University
Student Success Coordinator:  Darrion McAlister—2021; BS, Marian University
Academic Resource Coordinator:  Sarah Rogers—2021; BA, Indiana University; MA, Syracuse University
Associate Dean of Students:  Kathryn Dennehy—2020; BS, State University of New York College at Oneonta; MS, Indiana State University
Director of Counseling:  Sara Kinder – 2015; BA, Indiana University; MA, Indiana University, Indianapolis
Coordinator:  TBA
Coordinator of Health Services:  Tracy Lunsford – 2020; BA, Indiana University; RN, Indiana University Purdue University Indianapolis
Assistant Director of Residence Life:  J. Russell Norris—2017; BA & BS, Birmingham Southern University; MAT, Duke University; MS, Penn State University
Residence Life Area Coordinator/Diversity & Inclusion Program Coordinator:  Kalyn Johnson—2020; BA, Western Kentucky University; MA, Eastern Michigan University
Director of Religious Life and Chaplain:  Hannah Adams Ingram – 2017; BA, Anderson University; Master of Theological Studies, Emory University; PhD, University of Denver
Director of Diversity and Inclusion:  Maegan Pollonais—2021; BA, State University of New York at Plattsburgh, MM, Bowling Green University; DA, Ball State University
Executive Secretary for Student Development:  Marti Schrock – 2001; BA, Franklin College

Director of Athletics:  Andrew Hendricks – 2008; BS, Indiana University; MBA, Indiana Wesleyan University
Associate Director of Athletics:  Lance Marshall – 1997; BA, Elmhurst; MA, Rockford College
Assistant Director of Athletics:  Brian Leibowitz – 2014; Kenyon College; MBA, Kelley School of Business
Assistant Director of Athletics & Senior Woman Administrator:  Randi Garrett—2021; BS, Dominican College
Head Athletic Trainer:  Chris Shaff – 2003; BA, Franklin College; MA, Valparaiso University
Sports Information Director:  Ryan Thomas – 2008; BA and MS, Western Illinois

Head Coaches
Baseball:  Lance Marshall – 1997; BA, Elmhurst College; MA, Rockford College
Men's Basketball:  Brian Leibowitz – 2014; Kenyon College; MBA, Kelley School of Business
Women's Basketball:  Dana Haggenjos – 2014, BA, DePauw University; MS, Indiana State University
Men's/Women's Cross Country:  Brandon Dworak – 2017; BA, Wisconsin-Stevens Point; MA, Boise State University
Football:  Alan Hensell-2019; BA, Franklin College
Men's Golf:  Thomas Hord—2021; BS, IUPUI; Trinity Evangelical Divinity School
Women's Golf:  Roger Lundy – 2007; BS, Ferris State University
Women's Lacrosse:  TBA
Men's Soccer:  Cody Graman – 2017; BA, Franklin College
Women's Soccer:  Kim DeCesare – 2019; BA, Duke University
Softball:  Angela Bain—2020; BA, Valparaiso University; MA, University of North Carolina at Charlotte
Men's/Women's Swimming/Diving:  Andrew Hendricks – 2008; BS, Indiana University; MBA, Indiana Wesleyan University
Men's Tennis:  Justin Moran-2011; BA, Franklin College
Women's Tennis:  Rusty Hughes – 1988; AS, Vincennes University
Men's/Women's Track & Field:  Demetrius Bailey – 2012; BS, Muskingum University
Volleyball:  Randi Garrett—2021; BS, Dominican College
**FACULTY**

**Administrators and staff with faculty standing**

**President Kerry N. Prather** – 1982; BS and MS in Education, Indiana University  
**Vice President of Academic Affairs and Dean of the College Kristin C. Flora** – 2007, Professor of Psychology; BS, Valparaiso University; MS and PhD, University of Wisconsin - Milwaukee  
**Director of the Library Denise Shorey** – 2016; Associate Professor; BA, University of the West Indies; MLS, Rutgers University  
**Reference/Instruction Librarian Jessica M. Mahoney** – 2011; Associate Professor; BA, Franklin College; MLS, Indiana University

**Teaching Faculty**

**Economics, Business, and Accounting Department**

**Steven M. Scheer** – 2012, associate professor; BS, Indiana University; MBA, Saint Francis College; DBA, Anderson University  
**Emily D. Jones** – 2013, associate professor; BA, Franklin College; MBA, Butler University  
**James Squires** – 2018, assistant professor; BA and PhD, Western Michigan University  
**Christopher Fleming** – 2018, instructor; BS, Rutgers University; MBA, Rider University  
**Andrea Mescall**—2021, instructor; BA, Franklin College; MBA, Indiana State University

**Mathematics and Computing Department**

**G. Daniel Callon** – 1987, professor; BA, Franklin College; MA, Indiana University; PhD, University of Cincinnati  
**Kerry D. Smith** – 1996, professor; BA, Franklin College; MA, Miami University; PhD, Auburn University  
**Robert E. Beasley** – 1997, professor; BS, MS, Illinois State University; PhD, University of Illinois  
**John P. Boardman** – 2003, professor; BS, MS, PhD, Northern Illinois University  
**Justin M. Gash** – 2008, professor; BA, DePauw University; MA and PhD, Indiana University  
**Angelina M. Walls** – 2007, instructor; BA, Franklin College; MS, IUPUI  
**Stacy Hoehn** – 2012, associate professor; BS, Xavier University; MS and PhD, University of Notre Dame  
**Paul Fonstad** – 2012, associate professor; BA, Winona State University; MS and PhD, University of Wisconsin-Milwaukee

**Education Department**

**Sherri S. Hall** – 2002, assistant professor; BA, Heidelberg College; MA, Bowling Green State University  
**Amy Schulz**—2017, lecturer; BA, Franklin College; MA, Indiana Wesleyan University; MS, Indiana University-Purdue University Indianapolis  
**Kea Deppe**—2020, instructor; BS, Indiana University; MBAE, University of Indianapolis

**Exercise Science Department**

**Mark S. Britner** – 1979, professor; BA, University of Evansville; MS, Indiana University  
**Kim K. Eiler** – 2004, associate professor; BS, Biola University; MA, Manchester College; EdD, Auburn University  
**Kyra L. Noerr** – 2013, associate professor; BS, MS, and PhD, IUPUI  
**Adam Heavrin** – 2016, instructor; BS and MS, IUPUI  
**Lauren Ryan**—2021, instructor; BS, Indiana University; MS, Indiana University

**Art Department**

**Svetlana Rakic** – 1996, professor; BA, University of Belgrade; MA, University of Belgrade; PhD, Indiana University  
**David Cunningham** – 2007, professor; BFA, University of Evansville; MFA, Indiana University  
**Randi Frye**—2020, assistant professor; BS, Indiana Wesleyan University; MFA, Syracuse University
Music Department
  **Casey J. Hayes** – 2009, professor; BME and MM, Butler University; PhD, New York University
  **Eric DeForest** – 2012, instructor; BM, The State University of New York at Fredonia; MM, West Virginia University; DMA, The University of Texas at Austin
  **Jonathan Rice** – 2019, lecturer; BA, Northeastern State University; MM, University of Arizona; MM, Texas Tech University; ABD, Texas Tech University
  **Ross Venneberg** – 2021, assistant professor; BA, St. Mary’s College of California; MM, Manhattan School of Music; MM, University of Wisconsin-Milwaukee; DMA, University of Washington

Theatre Department
  **Robin E. Roberts** – 2004, professor; BA, Clemson University; MA, University of South Carolina; MFA, Southern Illinois University
  **Gordon R. Strain** – 2006, professor; BFA, Ithaca College; MFA, Indiana University
  **Nicholas A. Crisafulli** – 2009, assistant professor; BA, Presbyterian College; MFA, University of Memphis

English Department
  **Richard J. Erable** – 2001, professor; BA, California State University; MA and PhD, Marquette University
  **Susan Crisafulli** – 2008, professor; BA, BS, Presbyterian College; MA, University of Tennessee; PhD, Vanderbilt University
  **Katie Burpo** – 2014, instructor; BA, DePauw University; MFA, Western Michigan University
  **George Phillips** – 2015, assistant professor; BA, Emory University; MA and PhD, University of Kentucky
  **Christian Moody** – 2019, assistant professor; BA, Indiana University; MFA and MS, Syracuse University; PhD, University of Cincinnati

Modern Language Department
  **Sara N. Colburn-Alsop** – 2001, professor; BA, Ripon College; MA, Middlebury College; PhD, Indiana University
  **Kristin Wasielewski** – 2004, assistant professor; BA, MA, PhD, University of Wisconsin, Madison
  **Daniel T. Alsop** – 2007, associate professor; BA, MAT, Indiana University; PhD, Purdue University
  **Águeda Formoso Mayán** – 2011, lecturer; BA, Dominican University; MA, Northern Illinois University
  **William Jarrod Brown** – 2012, associate professor; BA, Centre College; MTS, Duke Divinity School; MA, University of Notre Dame; MA and PhD, University of Kentucky

Philosophy and Religion Department
  **James R. Alexander** – 2010, instructor; BA, Franklin College; MTS, Vanderbilt University Divinity School; ABD, IUPUI
  **Nicole Dular** – 2017, assistant professor; BA, The New School; MA, Brandeis University; PhD, Syracuse University

Journalism, Pulliam School
  **Joel E. Cramer** – 1985, professor; BA, Olivet Nazarene College; MA, Central Michigan University; JD, Indiana University School of Law at Indianapolis
  **John L. Krull** – 2004, professor; BA Franklin College; MA, St. Louis University
  **Ryan Gunterman** – 2017; Executive Director of the Indiana High School Press Association; BS, Indiana University

Biology Department
  **Alice A. Heikens** – 1991, professor; BS and MS, University of Central Arkansas; PhD, Southern Illinois University
  **Benjamin J. O’Neal** – 2010, associate professor; BA, Anderson University; MS and PhD, University of Illinois
  **Amber Yount** – 2017, assistant professor; BA and PhD, Indiana University
  **Katharine Harris** – 2019, assistant professor; BS, Purdue University; PhD, University of Pittsburgh
  **Michelle Marasco** – 2021, assistant professor; BA, Hanover College; MS, University of Utah; PhD, Indiana University
Chemistry and Physics Department

Arbin Thapaliya — 2016, assistant professor; BS and MS, Tribhuyan University, Nepal; MS and PhD, Ohio University
Wei Wei — 2018, assistant professor; BS, Wuhan University; PhD, Texas A&M University
Steven J. P’Pool — 2019, visiting assistant professor; BS, University of Kentucky; PhD, University of Alabama
Hilary Florian — 2020, visiting assistant professor; BS, Pennsylvania State University; PhD, Purdue University

History Department

Meredith Clark-Wiltz — 2011, associate professor; BA, University of Louisiana; MA, Bowling Green State University; PhD, The Ohio State University
Lourdes Hurtado — 2012, associate professor; BA, Universidad Nacional Mayor de San Marcos; MA and PhD, University of Notre Dame
Elham Bakhtary — 2019, assistant professor; BA, University of California; MA, San Francisco State University; PhD, George Washington University
Katie Streit — 2020, assistant professor; BS, Newman University; BA, Newman University; MA, University of Houston; PhD, University of Houston

Political Science Department

Randall D. Smith — 2009, professor; BA, Quincy University; MA, University of Illinois at Springfield; PhD, University of Illinois at Chicago
Allison Fetter-Harrott — 2011, associate professor; BS, New York University; MS, Butler University; JD, Indiana University School of Law; PhD, Indiana University

Psychology Department

Jamie L. Bromley — 2009, professor; BA, University of Dallas; MA, Duquesne University; PhD, The University of Akron
Ryan Rush — 2016, associate professor; BA, Pepperdine; MA and PhD, University of California at Riverside
William Eiler — 2017, assistant professor; BA and BS, Indiana-Purdue University Indianapolis; MS and PhD, Indiana-Purdue University Indianapolis

Sociology Department

Jason B. Jimerson — 2002, professor; BA, Earlham College; MA, University of Virginia; PhD, University of Chicago
Zhenyu Tang — 2017, assistant professor; BA, Peking University; MA and PhD, Purdue University

Master of Science in Athletic Training (MSAT)

Tiffany Franklin — 2020, interim MSAT Program Director and assistant professor; BA, Franklin College; MA Ball State University; EdD, Spalding University
Katherine M. Remsburg — 1999, director of graduate health programs and professor of athletic training; BS University of Indianapolis; MA, Illinois State University
Jeffrey Williams — 2016, assistant professor; BS, Olivet Nazarene College; MS and PhD, Illinois State University

Master of Science in Physician Assistant Studies (MSPAS)

Jasmina Cheeseman, PA-C — 2018, assistant professor PA-C; BS, Purdue University; MS Indiana State University
Brittany LaBonte, PA-C — 2018, assistant professor PA-C; BS, Franklin College; MS, University of Saint Francis
Gregory Stock M.D. — 2018, MSPAS Program Medical Director and adjunct assistant professor, BS, Ball State; Doctor of Medicine, IU School of Medicine
Courtney Henderson — 2020, clinical coordinator and assistant professor; BA, Franklin College; MA University of Indianapolis; MS, Purdue University
Anne Geary — 2021, assistant professor; BA, Franklin College; MS, Butler University
Faculty Emeriti
Diana Bartnick-Schmidt – 1983-2000, professor emerita of education
Raymond M. Bragiel – 1979-1995, professor emeritus of psychology
William A. Bridges – 1979-2003, professor emeritus of journalism
Clifford C. Cain – 1981-2010, professor emeritus of religion
David C. Carlson – 1978-2019, professor emeritus of philosophy and religion
Kathleen D. Carlson – 1979-2015, professor emerita of English
Luigi Crispino – 1966-1995, professor emeritus of art
Barbara J. Divins – 1995-2011, professor emerita of education
Susie B. Fleck – 1990-2005, professor emerita of journalism
Timothy L. Garner – 1986-2021, professor emeritus of sociology
Priscilla A. Grant – 1961-1973, associate professor emerita of Spanish
Ralph P. Guentzel – 1999-2020, professor emeritus of history
Sally Hanley – 1984-2004, professor emerita of history
Samuel Hicks – 1966-2003, professor emeritus of music
J. Thomas Howald – 1968-2013, professor emeritus of philosophy and religion
Nazir A. Khatri – 1989-2018, professor emeritus of chemistry
Yu-Long Ling – 1972-2009, professor emeritus of political science
Jayne E. Marek – 1995-2015, professor emerita of English
Henry J. Nuwer – 2002-2020, professor emeritus of journalism
Ronald L. Schuetz – 1985-2016, professor emeritus
Emily A. Stauffer – 1983-2015, professor emerita of English
Doreen S. St. Clair – 1970-2000, professor emerita of physical education
John N. Stevens – 1985-2009, professor emeritus of economics
John E. Wood – 1986-2011, professor emeritus of political science
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Department Fax: Academic Resource Center (317) 738-8284
Department Fax: Admissions (317) 738-8274
Department Fax: Athletics (317) 738-8248
Department Fax: Business Operations (317) 738-8294
Department Fax: Campus Minister (317) 738-8751
Department Fax: Career Services & Prof. Dev. (317) 738-8810
Department Fax: Development & Alumni Engagement (317) 736-6030
Department Fax: Employee Resources (317) 738-8738
Department Fax: Financial Aid (317) 738-8072
Department Fax: Information Technology (317) 738-8146
Department Fax: Library (317) 738-8787
Department Fax: Marketing & Communications (317) 738-8175
Department Fax: Physical Facilities (317) 738-8099
Department Fax: Security (317) 738-8315
Department Fax: Campus Life (317) 738-8097

Franklin College on the Internet: www.franklincollege.edu
Appendix A: Transition to Teaching Program

The Transition to Teaching (T2T) program is a pathway to Indiana secondary education teacher licensing.

Anyone interested in enrolling in coursework must meet with the Director of the Transition to Teaching program or the Director’s designee. Once an individual has met with the Director of the Transition to Teaching Program, a personalized plan for completion of the program will be created. Approval of the Director of the Transition to Teaching program or the Director’s designee is required to register for any T2T course. Coursework is sequenced with practical opportunities to develop essential skills to become an effective secondary teacher.

After the successful completion of the required coursework, a full-semester student teaching experience is offered in the following areas: art (fine arts), business, chemistry, English/language arts, French, social studies-government and citizenship, social studies-historical perspectives, journalism, life science (biology), mathematics, music (instrumental), music (vocal), physical education, Spanish. This program is 18 preparation hours and is to be completed within two calendar years.

If concurrently completing a baccalaureate degree at Franklin College, a student must have a 2.80 cumulative grade point average in a declared content major and have completed 57 or more credit hours to enroll in initial T2T coursework.

**Required Professional Education Courses-18 credit hours**

*(Registration and enrollment for each course requires the approval of the Director of the Transition to Teaching program or designee.)*

EDUT 124, Critical Skills for Educators (2 credit hours)
EDUT 222, Child & Adolescent Development (2 credit hours)
EDUT 225, Standards-Based Planning & Digital Learning-Secondary (2 credit hours)
EDUT 328, Instructional Planning & Delivery-Secondary (4 credit hours)
EDUT 422, Content Reading-Secondary (2 credit hours)
EDUT 457, Assessment & Classroom Management-Secondary (3 credit hours)
EDUT 489, Student Teaching in Secondary Education (3 credit hours)
**Transition to Teaching Program Course Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUT 124</td>
<td>Critical Skills for Educators</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>This course introduces students to the teaching profession and provides practical opportunities to develop those essential skills and dispositions necessary to become an effective teacher. Special emphasis will be given to processes for those students seeking secondary teacher licensure and the education department’s program expectations.</td>
<td></td>
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</tbody>
</table>

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUT 222</td>
<td>Child &amp; Adolescent Development</td>
<td>2</td>
</tr>
</tbody>
</table>
|             | Prereq: Provisional Admittance to Transition to Teaching Program, EDUT 124 (or equivalent)
|             | Coreq: EDUT 225 or permission                          |
|             | This course explores major concepts, theories, and processes related to the cognitive, linguistic, social, emotional, physical, and moral development of students in grades 5-12, and factors in the home, school, community, and broader environment that influence student development. Special emphasis will be placed on how to use this knowledge to implement developmentally appropriate and challenging curriculum in the secondary classroom for all learners. Clinical experience is required. |

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDUT 225</td>
<td>Standards-Based Planning &amp; Digital Learning-Secondary</td>
<td>2</td>
</tr>
</tbody>
</table>
|             | Prereq: Provisional Admittance to Transition to Teaching Program, EDUT 124 (or equivalent)
|             | Coreq: EDUT 222 or permission                          |
|             | This course introduces state and national P-12 academic standards as the basis for lesson planning and assessment in the secondary classroom. Students will examine research-based lesson plan designs and assessment tools used to measure instructional practices. Benefits of digital, online, hybrid, & onsite instruction will be explored with emphasis on how digital-age tools and environments influence learning processes and outcomes. Clinical experience is required. |

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDUT 328</td>
<td>Instructional Planning &amp; Delivery-Secondary</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Prereq: Provisional Admittance to Transition to Teaching Program, EDUT 124, EDUT 222, EDUT 225 or equivalents or permission</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This course focuses on methods for planning, delivering, and assessing evidence-based lesson plans that foster secondary-level students’ understanding of Indiana Academic Standards in the respective disciplines. Candidates will apply various research-based best practices to meet a variety of instructional needs in making content comprehensible, relevant and engaging for all students. Points of emphasis include long- and short-range planning, project-based learning, universal design for learning (UDL), differentiated instruction, and informational literacy. Clinical experience is required.</td>
<td></td>
</tr>
<tr>
<td>Course</td>
<td>Credit Hours</td>
<td>Prerequisite</td>
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<tr>
<td>---------------------------------------------</td>
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</tr>
<tr>
<td><strong>EDUT 422 Content Reading-Secondary</strong></td>
<td>2</td>
<td>Prereq: Provisional Admittance to Transition to Teaching Program, EDUT 124,</td>
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<tr>
<td></td>
<td></td>
<td>EDUT 222, EDUT 225, EDUT 328 or equivalents or permission</td>
</tr>
</tbody>
</table>

This course is designed to model creative, evidence-based strategies to promote reading comprehension, vocabulary development, and study skills in the various content areas for students in grades 7-12. Through an emphasis on SBRR-focused methods and materials, candidates will learn to apply, combine, and adapt instructional strategies to reach all learners in classrooms with diverse populations. Clinical field experience is required.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td><strong>EDUT 457 Assessment &amp; Classroom Management-Secondary</strong></td>
<td>3</td>
<td>Prereq: Provisional Admittance to Transition to Teaching Program, EDUT 124,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EDUT 222, EDUT 225, EDUT 328, EDUT 422 or equivalents or permission</td>
</tr>
</tbody>
</table>

This course explores the fundamental concepts and strategies that support effective assessment and classroom management. Candidates will learn to apply fundamental concepts of assessment to select, design, and administer student assessments that are aligned to instructional goals, to administer assessments, and to share and interpret assessment results. Points of emphasis include formative and summative assessments, the use of RTI to track and support student learning, and research-based classroom management strategies that promote success for all learners.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EDUT 489 Student Teaching in Secondary Education</strong></td>
<td>3</td>
<td>Prereq: Full Admission to Transition to Teaching Program, Acceptance for</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Student Teaching, EDUT 124, EDUT 222, EDUT 225, EDUT 328, EDUT 422, EDUT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>457 or equivalents</td>
</tr>
</tbody>
</table>

This full-time, semester-long classroom teaching experience (minimum of 10 weeks) will provide the capstone experience to the candidate’s preparation as a professional educator. Classroom teaching and other activities in a secondary (7-12) classroom will be conducted under the guidance of the cooperating teacher, the college supervisor and coordinator of field experiences.
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