



# COMPUTING

**Computer science major • Computer science minor • Software engineering major • Software engineering minor**

**Interface with industry-leading technology and gain conceptual knowledge, problem-solving skills and technical prowess as a computing student in a program that's recognized as one of the best in the country by leading employers like Geico, Allegiant and Cummins – all of which come directly to Franklin College to recruit top tech talent.**

## THE CLASSROOM EXPERIENCE

### Leading technology and real-world software development

Students who pursue computing at Franklin College learn software by building software, gaining a comprehensive set of skills that spans engineering, quality assurance, project management, design, implementation and maintenance. The college operates in partnership with Microsoft to integrate the most state-of-the-art technologies into the classroom, giving graduates a clear competitive advantage.

The computing program provides students two courses of study:

- **Computer science:** A degree in computer science provides students with knowledge of computer hardware and applications and advanced mathematics, empowering students to pursue careers in programming and network administration. Students often couple a major in computer science with an additional major or minor in software engineering, applied mathematics, chemistry or physics.

**100%**  
of our students  
complete an internship  
or undergraduate  
research.

[www.FranklinCollege.edu](http://www.FranklinCollege.edu)

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## THE COMPUTING CURRICULUM CULMINATES AS STUDENTS DEVELOP A SOFTWARE SYSTEM FROM BEGINNING TO END FOR A REAL CLIENT, WRITING REQUIREMENTS, DESIGNING THE SYSTEM, CODING, TESTING, DELIVERING THE SOLUTION AND TRAINING THE PEOPLE WHO WILL CONSUME THE END PRODUCT.

- Software engineering: A degree in software engineering prepares students for software development careers in business, industry and government environments. Students often couple a major in software engineering with an additional major or minor in computer science, business, accounting or economics.

The computing curriculum culminates as students develop a software system from beginning to end for a real client, writing requirements, designing the system, coding, testing, delivering the solution and training the people who will consume the end product.

### OUTSIDE THE CLASSROOM

#### Internships at industry-leading firms

Most Franklin College computing major students complete at least one internship, and often those internships turn into full-time jobs upon graduation. Former computing majors have interned with:

- Benchmark Records
- Cummins
- Facebook
- Federal Bureau of Investigation
- Goldman Sachs
- OneAmerica
- Orchard Software

### POST-GRADUATION

#### Securing lucrative careers before graduation

While some computing students pursue advanced degrees in computer science, business or information science, most opt to go directly into the industry, making salaries of around \$65,000 in their first role. It's common for students to be employed before they finish their senior year; as many as 90 percent of computing students are employed before graduation. Franklin College computing majors are currently employed at some of the largest and most prestigious organizations in the world, including:

- Allegiant
- Eli Lilly
- Cummins
- Facebook
- Geico

## DEPARTMENT OVERVIEW

- **Nationally recognized program:** The Franklin College Department of Mathematics and Computing has been recognized by EDUCOM, a national educational computing organization, for its excellence in innovative programs, assessment and career preparation.
- **Job shadowing:** Annual Shadow Days allow students to spend half or full days in professional workplaces including Cummins, OneAmerica, Eli Lilly and Interactive Intelligence.
- **Department contact information:** Read more about the program at [www.FranklinCollege.edu/computing](http://www.FranklinCollege.edu/computing) or contact practicing software consultant and Professor of Computing Robert Beasley directly at 317.738.8252 or [rbeasley@FranklinCollege.edu](mailto:rbeasley@FranklinCollege.edu).