**Faster Boot Time**
First-year courses include building and testing computers, so you won’t wait long before getting hands-on experience with hardware and electronics.

**Known for Engineering**
Florida Tech is listed among the *Fiske Guide’s* “Engineering/Top Technical Institutes” and *Parade Magazine’s* College A-List in Engineering.

**Top Tech**
Integrated lab experiences give students training and time with the latest field-programmable gate arrays, digital signal processing boards and design software.

Different than computer science, computer engineering is focused on the design and analysis of computer hardware, software and operating systems, as well as computer networks. In addition to a strong foundation in programming and software design, computer engineering students gain a complete understanding of complex computer systems—and are provided with multiple opportunities to design, build and test their own.

**Why Computer Engineering at Florida Tech?**
In addition to the university’s close proximity to hundreds of high-tech companies—a true advantage when it comes to finding internships and other opportunities—Florida Tech is a great place to study computer engineering because it offers small classes taught by highly accomplished faculty who see student success as their top priority. Another benefit is the program’s culture of innovation and hands-on learning. Students are not only taught the material critical to computer engineering but are mentored toward being able to demonstrate—through practical application—mastery of that material. As a result, computer engineering students graduate with the confidence and competence to enter a variety of competitive career fields.

**Your First-Year Experience**
Our program is different than most in that we cover digital electronics, computer design and microcontroller programming all in the first year. As a computer engineering major at Florida Tech, you are also immediately introduced to and engaged in design methodologies. In first-year courses, students are asked to work in teams to design logical circuits for various configurations. Through this cooperative experience, students gain confidence in designing specialized and general processors.

**QUICK FACTS**
- The Bachelor of Science degree in Computer Engineering is accredited by the Engineering Accreditation Commission of ABET, www.abet.org.
- The department of electrical and computer engineering is the second largest in the College of Engineering.
- High achieving students may become members of Tau Beta Pi, a national engineering honor society.
- Students have access to more than 10,000 square feet of high-tech research lab space.
Computer Engineering

Due to the rapid pace of technological advancements, the field of computer engineering is always changing. This makes it a highly interesting, challenging and lucrative field of study.

What to Expect
Computer engineering students may expect small classes and the opportunity to work with faculty in the areas of electronic systems and Internet programming. Many work with fiber optics, microelectronics and instrumentation. The program's reputation and proximity to a variety of high-tech companies means you can also expect to find a great internship and build valuable on-the-job experience.

Facilities
Part of what makes Florida Tech a great place to study computer engineering is the F. W. Olin Engineering Complex, which features more than 10,000 square feet of laboratory space. This state-of-the-art facility reflects Florida Tech's commitment to academic excellence and cutting-edge programs and provides an outstanding learning environment for undergraduates.

Faculty Research Areas
The computer engineering faculty is diverse, with research interests that span the field. These include:
- wireless sensor networks
- image processing
- embedded systems
- speech recognition and speaker identification
- hardware security

Careers
Students who graduate with a degree in computer engineering are likely to find careers focused on the design, development and testing of computers and computer systems. Graduates of Florida Tech's computer engineering program have gone on to work for:
- IBM
- Samsung
- Northrop Grumman
- Harris
- NASA Kennedy Space Center
- Yahoo

Graduate Study
Graduates of the computer engineering program at Florida Tech are prepared to pursue advanced degrees in computer engineering and related fields and have gone on to study at graduate schools such as:
- California Institute of Technology
- Stanford University
- Georgia Institute of Technology
- UC Berkeley
- Technical University (Eindhoven, The Netherlands)

AMALTHEA
Funded by a grant from the National Science Foundation, this 10-week summer research experience offered to undergraduate students focuses on machine learning.

Outstanding Faculty
Our faculty includes a recipient of the Presidential Early Career Award for Scientists and Engineers and a member of the editorial board of the Journal of Signal and Imaging Systems Engineering.

Student Organizations
Florida Tech has student chapters of IEEE, OSA, SPIE, the Society of Women Engineers and Eta Kappa Nu (HKN), the electrical and computer engineering honor society.

Senior Design
As seniors, all engineering students complete a capstone project that challenges them to design, develop, prototype and present a complex engineering system.

AMALTHEA

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