Competitive Edge
Learn fundamentals and design through outstanding one-on-one collaboration with faculty members, preparing you for the real world from day one.

Professional Faculty
All civil engineering faculty members are certified professional experience. Several are university award winners for excellence in either teaching, research or service.

Did You Know?
Due to our small class sizes, our courses are designed to prepare you for your Professional Engineering Certification through numerous design projects.

Civil engineering at Florida Tech is a rigorous, accredited curriculum that prepares students for admission to top graduate schools and to enter the workforce with a minimum of additional training and a maximum of opportunity. Students benefit from constant access to faculty who are both professional engineers and experienced teachers, world-class industry support and the opportunity to begin major courses in the freshman year.

Civil Engineering Begins Year One
Jump right into your civil engineering major as soon as you step onto campus. During the first two years, emphasis is placed on foundation courses in chemistry, mathematics, physics and engineering mechanics, augmented by practice-oriented civil engineering courses. Classroom study is enhanced through field trips and lab work.
Take Computer Aided Design (CAD), Intro to Civil Engineering and Construction Measurements (Surveying) all in your freshman year.
Altogether, students are required to take five civil engineering laboratory courses to understand concepts and to learn, firsthand, what works and what does not. Each student is also required to be part of a multidisciplinary design project team that identifies, formulates and designs a real-world project. The curriculum provides special attention in developing leadership and communication skills among students.

AREAS OF STUDY
- Construction Management
- Environmental Engineering
- Geotechnical Engineering
- Structural Engineering
- Transportation Engineering
- Water Resources Engineering
Industry Support
Outside the classroom, the civil engineering program is heavily connected with industry contacts and a network of alumni that provide a professional edge for our graduates. Through the 17-member Civil Engineering Advisory Committee and the more than 30-member Construction Industry Advisory Board, students have access to industry professionals from national and multinational companies and organizations like GeoSyntec Consultants, BRPH, CH2M Hill and Walt Disney. Networking opportunities, guest lectures, field trips, internship experiences and scholarships are available to civil engineering students.

Student Organizations
The department’s involvement with the American Society of Civil Engineers also provides an environment for young civil engineers to further their professional development and gain the attention of real professionals before they even graduate. Florida Tech’s ASCE student chapter is an active organization of undergraduate and graduate students who work together on various local and national projects, including the concrete canoe and the steel bridge competitions.

Other academic organizations include the Association of Builders and Contractors, the Society of Women Engineers and Chi Epsilon, the national honor society dedicated to civil engineering. All of these organizations put our students in an excellent position to earn internships and experience offered throughout the industry.

What’s Next?

Graduate School
On average, 20% of civil engineering graduates attend graduate school. They typically specialize in construction, environmental, geotechnical, structures, transportation and highway, and water resources. In addition to continuing their studies at Florida Institute of Technology, recent graduates have attended Berkeley, Cornell, Georgia Tech, MIT and Stanford.

Employment
A majority of our seniors receive a job offer or admission into graduate school prior to graduation and 99% begin careers or enter graduate school within three months after graduation. Employers include countless private architectural, land development, environmental and other civil engineering firms, as well as state and federal government agencies and organizations.

Department Contact
Ashok Pandit, Ph.D., P.E.
321-674-8048
apandit@fit.edu
http://coe.fit.edu/civil

Quick Facts
- The Bachelor of Science degree in Civil Engineering is accredited by the Engineering Accreditation Commission of ABET, www.abet.org.
- Students in program: 140
- Range of class size within department: 8–40
- Graduates per year: 20

FastTrack Master’s Degree
The FastTrack Master’s Program allows students to take graduate course work as undergraduates, so students can complete a master’s degree in as little as one additional year of study. Earned scholarships carry over to the fifth year.

Student Design
The civil engineering program is design-oriented. Most courses require students to do real-world projects, including a two-semester capstone design project their senior year.

Florida Institute of Technology
High Tech with a Human Touch™
Office of Undergraduate Admission
150 W. University Blvd.
Melbourne, FL 32901-6975
Ph: 321-674-8030
Toll Free: 800-888-4348
Fax: 321-674-8004
admission@fit.edu
www.fit.edu
Follow us

Florida Institute of Technology is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, master’s, education specialist and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Florida Institute of Technology. Florida Institute of Technology is committed to nondiscrimination on the basis of race, color, ethnic or national origin, sex, sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status, protected veteran status, or other non-merit reasons in admissions, scholarship and loan programs, educational programs, athletic or other university sponsored programs or activities, and employment including employment of disabled veterans and veterans of the Vietnam Era, as required by applicable laws. Contact the Title IX Coordinator at 321-674-8700.