

Construction Management Program Public Information

1. Objectives of the degree program

a. Mission

The mission of the construction management program is to provide an education to prepare graduates for leadership roles in the construction industry and as responsible members of society. The curriculum is responsive to current social, economic and technical developments in the field of construction and reflects the application of evolving knowledge in construction management and the behavioral sciences. The program incorporates curricula that develop management skills to reflect changes in construction technology and management trends, and has goals that closely reflect the needs of the construction profession and society as a whole.

The construction management major was developed to provide a curriculum to meet the specific needs of the construction industry both in Florida and throughout the United States. Those needs include professionals who understand the basics of civil engineering and business subjects such as project management, contracting, budgeting and cost control. The program was designed with input from members of the Construction Industry Advisory Board (CIAB) at Florida Tech. The board meets yearly to review curriculum and performance of graduates, and to provide updates on industry trends. The curriculum meets Florida Tech's core requirements within the institutional framework established for all Florida Tech programs and is consistent with the institutional mission and assessment procedures of the university

b. Degree program objectives

The following goals are intended to guide the direction of the construction management program in meeting its mission. The construction management program will:

1. Achieve American Council for Construction Education accreditation by 2018.
2. Expand enrollment to 100 undergraduate students by 2024.
3. Start a Construction Management masters degree program by 2024.
4. Encourage students to take the American Institute of Constructor's exam.
5. Place over 90% of students in construction related jobs within 9 months of graduation.
7. Grow the Associated Builders and Contractors (ABC) student chapter membership to at least 50 students.

8. Participate in scholarly activities (faculty members).
 9. Enhance the effectiveness of the program faculty by encouraging and supporting professional development in technical areas as well as teaching.
 10. Earn a national award of excellence for the program at least once every five years.
- c. Student Learning Outcomes (SLO's). These are the ACCE Student Learning Outcomes. Upon graduation from the Florida Institute of Technology Construction Management Program, a graduate will be able to:
1. Create written communications appropriate to the construction discipline.
 2. Create oral presentations appropriate to the construction discipline.
 3. Create a construction project safety plan.
 4. Create construction project cost estimates.
 5. Create construction project schedules.
 6. Analyze professional decisions based on ethical principles.
 7. Analyze construction documents for planning and management of construction processes.
 8. Analyze methods, materials, and equipment used to construct projects.
 9. Apply construction management skills as a member of a multi-disciplinary team.
 10. Apply electronic-based technology to manage the construction process.
 11. Apply basic surveying techniques for construction layout and control.
 12. Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.
 13. Understand construction risk management.
 14. Understand construction accounting and cost control.
 15. Understand construction quality assurance and control.
 16. Understand construction project control processes.
 17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.
 18. Understand the basic principles of sustainable construction.

19. Understand the basic principles of structural behavior.
20. Understand the basic principles of mechanical, electrical and piping systems.

2. Admission requirements

Admissions requirements are centrally managed by the FIT Admissions Office
<https://www.fit.edu/admissions-overview/>

3. Degree program assessment measures

See the FIT Construction Management Quality Improvement Plan.

4. Information obtained through the assessment measures and actions taken as a result of feedback.

See the FIT Construction Management Program Review minutes.

5. Student achievement

Information about FIT and FIT students can be viewed at
<http://web2.fit.edu/about/rankings-accolades.php>

6. Rate and types of employment of graduates

Construction Management graduates typically work in the construction industry in either the residential (housing), commercial (stores/hotels etc.), or public (governmental) sectors. Graduates may work as general Project Manager, or specialize as an Estimator, Scheduler, Quality Assurance, or Safety inspector. The table below shows the jobs held by last year's graduates.

Fall 2016 Graduates	Job Title	Construction Sector	Company, location
	Project Engineer	Commercial	Basfond, Brazil
	Project Manager	Commercial	Hollister Construction, New Jersey
	Unknown		
	Project Engineer	Commercial	Biltmore Construction, Florida
	Superintendent	Commercial	W&J Construction, Florida
	PM trainee	Commercial	Elaf Group, Saudi Arabia
	Safety intern	Public	NASA, California

	Manager	Commercial	Shan Dong Ti Hu, China
	Management Asst	Commercial	Suyojit Infrastructure, India
Spring 2017			
	Project Manager	Residential	LMC Lenna, Colorado
	Asst Manager	Commercial	G.T.M. Doo, Serbia
	Project Engineer	Commercial	MH Williams, Florida
	Project Manager	Residential	Florida

7. Data supporting qualitative claims N/A