

# Construction Mgmt/Highway/Bridge Construction • Bachelor of Science

## Why Choose Construction Management?

The Construction Management curriculum builds on a foundation strong in basic construction technology, mathematics, science and general education. Instruction continues with courses covering project costs, estimating, scheduling, contracts, total quality management, safety, engineering fundamentals, technical communication and business management. Construction-related computer software is integrated into all areas of the curriculum.

By blending technical instruction in construction and engineering with a strong business education, the Construction Management program at Ferris gives students the ability to manage and supervise the entire construction process.

Construction management students can choose from two concentrations: commercial/industrial or highway/bridge.

## Prepare for a Great Career

The single largest industry in the United States, construction plays a significant role in the nation's economy. As it grows in size and scope, the industry continues to provide excellent employment opportunities.

The ACCE-accredited Construction Management program at Ferris fills a vital need for time, cost and quality control in construction projects through the application of proper management tools.

With proper education and training, Construction Management graduates can anticipate obtaining leadership positions in general contracting, project coordination, field supervision, quality assurance/control, estimating, marketing, field inspection and subcontracting.

## Admission Requirements

Admission to the College of Technology is open to high school graduates who demonstrate academic preparedness, maturity and seriousness of purpose with backgrounds appropriate to their chosen program of studies. Among first-time students in our technical programs, the average high school GPA is 2.8, and the average ACT composite score is 20.

Students may enter the Construction Management program as freshmen or transfer students, or after completion of a two-year associate degree program from any accredited college or university. Freshman must have a minimum 2.0 high school GPA and a minimum ACT math subscore of 19. Transfer students must have a minimum 2.0 college GPA.

## Graduation Requirements

The Construction Management program at Ferris leads to a bachelor of science degree. Graduation requires a minimum 2.0 GPA in core classes, in the major and overall. Students must complete all general education requirements as outlined on the General Education website.

## Required Courses

	Credit Hours
<b>General Education</b>	
COMM 121 Fundamentals-Public Speaking	3
ECON 221 Principles of Macroeconomics	3
ENGL 150 English 1	3
ENGL 211 Industrial and Career Writing	3
ENGL 311 Advanced Technical Writing	3
MATH 115 Intermediate Algebra	3
MATH 120 Trigonometry	3
MATH 132 Calculus for Business	3
PHYS 211 Introductory Physics 1	4
Electives: Cultural Enrichment	9
Social Awareness	6
<b>Major</b>	
BLAW 301 Legal Environment of Business	3
CONM 111 Construction Practices	3
CONM 112 Plans and Specifications	3
CONM 116 Construction Graphics	2
CONM 121 Materials Properties-Testing	3
CONM 122 Const Surveying-Layout	3
CONM 211 Const Quantity Estimating	3
CONM 212 Soils and Foundations	3
CONM 221 Statics and Structures	3
CONM 222 Construction Administration	3
CONM 311 Formwork-Temp Structures	3
CONM 312 Construction Scheduling	3
CONM 321 Construction Cost Estimating	3
CONM 324 Adv Const Computer Techniques	3
CONM 412 Construction Contracts	3
CONM 413 Construction Economics	3
CONM 422 Const Supervision-Safety	3
CONM 423 Const Mgmt Prof Methods	3
CONM 499 Construction Project Mgmt	3
MGMT Elec- 300 Level or above	3/4
tive	
MKTG 321 Principles of Marketing	3
ACCT 221 Prin of Construction Acct	3
CETM 214 Adv Mat'ls Properties-Testing	3
CETM 215 Construction Equipment-Operat	3
CETM 226 Highway Technology	3
CETM 230 MDOT Certification Preparation	1
CETM 327 Hydraulics and Hydrology	3
Minimum credit hours required for B.S. degree	126/127



## More Information

College of Engineering Technology  
 Ferris State University  
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 Big Rapids, MI 49307-2280  
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**FERRIS STATE UNIVERSITY**

COLLEGE OF ENGINEERING TECHNOLOGY