

**Ferris Program:** Construction Management

**Degree Type:** Bachelor of Science

**Ferris College:** College of Engineering Technology

**Transfer School:** Alpena Community College (ACC)

**Consortium Eligible:** No

**Total Credits Required:** 123-124

**Catalog Year:** 2023-2024

**GENERAL EDUCATION REQUIREMENTS – 41 - 42 Credits Required**

Courses in this section are required to satisfy the University General Education Requirements for a bachelor's degree. The University General Education requirements can be found on the: .

Students are encouraged to work with an advisor to select appropriate general education courses.

Diversity Competency - 2 Courses Required. If not met by courses taken for Culture, Self and Society, or MTA, a student must meet the following: 1 course with the Global Diversity attribute and 1 course with the U.S. Diversity attribute.

**Communication Competency**

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 121	Fundamentals of Public Speaking	3	SPE 123
ENGL 150	English 1	3	ENG 111
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	ENG 123 or ENG 112
ENGL 311 or ENGL 325	Advanced Technical Writing or Advanced Business Writing	3	No Equivalent

**Quantitative Literacy**

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 120	Trigonometry	3	MTH 122

Or :  
 Official Pre-2016 Math SAT Score of 590 or Higher  
 Official Post-2016 Math SAT Score of 620 or Higher  
 Official Math ACT Score of 26 or Higher

**Natural Sciences Competency**

Two courses are required with a minimum of 6 credits: must have at least one lab course.

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Choose 1 of 5: GEOG 111 or CHEM 114 or CHEM 121 or GEOL 121 or PHYS 212	Geography of Physical Environment or Intro to General Chemistry or General Chemistry 1 or Physical Geology or Intro Physics 2	4 - 5	GEO 127 or CEM 111 or CEM 121 or PHY 124 or PHY 122
PHYS 211	Intro Physics 1	4	PHY 121

## Cultural Competency

Three courses are required with a minimum of 9 credits: must be from two different disciplines and have at least one at FSU 200 level or higher course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SURE 331	Ethics and Professionalism in Engineering Technology	3	No Equivalent
Varies	Culture Electives	6	Varies

## Self and Society Competency

Three courses are required with a minimum of 9 credits: must be from two different disciplines and have at least one at FSU 200 level or higher course, and at least one Self and Society Foundation course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ECON 201 or ECON 202	Principles of Microeconomics or Principles of Macroeconomics	3	ECN 231 or ECN 232
Varies	Self and Society Electives	6	Varies

## COLLEGE REQUIREMENTS – 82 Credits Required

### Major Courses

24 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
CONM 311	Formwork and Temporary Structures	3	No Equivalent
CONM 312	Construction Scheduling	3	No Equivalent
CONM 321	Construction Estimating 2	3	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
CONM 324	Advanced Construction Computer Techniques and Technology	3	No Equivalent
CONM 412	Construction Contracts	3	No Equivalent
CONM 413	Construction Economics	3	No Equivalent
CONM 424	Construction Safety and Risk Management	3	No Equivalent
CONM 499	Construction Project Management	3	No Equivalent

## Directed Electives

4 Credits Required. (Advisor Approval)

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
(Choose 2 of 4) CONM 460	Current Topics in Construction Management	2	No Equivalent
(Choose 2 of 4) CONM 461	Sustainability in Construction	2	No Equivalent
(Choose 2 of 4) CONM 462	Power and Process Plant Construction	2	No Equivalent
(Choose 2 of 4) CONM 463	Infrastructure Construction	2	No Equivalent

## Technical Related Courses

12 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 132 or STQM 260	Survey of Calculus or Introduction to Statistics	3	MTH 130 or MTH 223
ACCT 221	Principles of Construction Accounting	3	No Equivalent
BLAW 301	Legal Environment of Business	3	No Equivalent
(Choose 1 of 4) MGMT 302	Team Dynamics and Organizational Behavior	3	No Equivalent
(Choose 1 of 4) MGMT 305	Agile Leadership	3	BUS 233
(Choose 1 of 4) MGMT 310	Small Business Management	3	BUS 128

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
(Choose 1 of 4) MGMT 373	Human Resource Management	3	BUS 235

## Associate Degree Coursework

42 Credits Required. A total of 42 credits is required in associate degree coursework. Associate Core Courses, including: CONM 112, CONM 117, CONM 122, CONM 211, CONM 212, CONM 221, CONM 222, CONM 225, BCTM 234, BCTM 235, are required; totaling 15 credits. In addition, 27 credits of Architectural Technology (ARCH), Building Construction Technology Management (BCTM), Civil Engineering Technology Management (CETM), and Construction Management (CONM) courses are required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Associate Degree Coursework (Advisor Approval)	27	Varies
CONM 112	Plans and Specifications	3	CST 214
CONM 117	Construction Building INF TEC	3	No Equivalent
CONM 122	Construction Surveying - Layout	3	No Equivalent
CONM 211	Construction Estimating 1	3	No Equivalent
CONM 212	Soils and Foundations	3	No Equivalent
CONM 221	Statics and Structures	3	No Equivalent
CONM 222	Construction Administration	3	No Equivalent
CONM 225	Field Engineering	3	No Equivalent
BCTM 234	Electrical Construction Pract	3	No Equivalent
BCTM 235	Mechanical Construction Pract	3	No Equivalent

## PROGRAM CONTACT INFORMATION

Construction Technology & Management Programs  
(231) 591-3773

(231) 995-1734

## ADMISSION REQUIREMENTS

### New Student Admission Requirements

- The Construction Management, BS degree is only open to students who meet the Transfer Student Admission Requirements below.

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- High school students interested in this program may apply to the Building Construction Technology, AAS, Civil Engineering Technology - Highway Emphasis, AAS or Architectural Technology, AAS program.

## Transfer Student Admission Requirements

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
- Successful completion of the following courses:
  - MATH 120 with a C- grade or higher, transfer equivalent with C grade or higher, or a higher mathematics course.
  - PHYS 211 with a passing grade or transfer equivalent with C grade or higher
  - ENGL 150 with a C grade or higher or transfer equivalent with a C grade or higher
  - ENGL 211 or 250 with a C grade or higher or transfer equivalent with a C grade or higher
- Completion of Associate in Applied Science (AAS) in Building Construction Technology (BCTM) or Civil Engineering Technology - Highway Focus (CETH) from Ferris State University; or Associated in Applied Science (AAS) in Architectural Technology from Grand Rapids Community College; or a related Associate in Applied Science (AAS) degree from another accredited university with specific 100 and/or 200 level program courses coordinated with the program prior to entry into the 300 and 400 level Construction Management (CONM) courses and a 2.50 GPA (on a 4.00 scale) in associate degree.

## MORE INFORMATION

Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at a statewide location).

To fulfill the residency requirement for a bachelor's degree a student must earn a minimum of 30 credits from Ferris State University.

## Steps to Apply

- Complete your .
- Submit official transcripts
  - Submit official transcripts from every school attended to
  - Or mail to:  
Ferris State University Admissions Office  
1201 S. State St., CSS 201  
Big Rapids, MI 49307
- Submit test scores (if required)
  - ACT Scores; go to the - Ferris State University School Code: 1994
  - SAT, CLEP and AP Sores; go to the - Ferris State University School Code: 1222

## Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, transfer policies and have any questions answered prior to completing an application. Ferris accepts transfer courses in which the student earned a letter grade of "C" or better. Additional policies such as the Ferris Sunset and Residency Requirement should be discussed with a Ferris advisor. Students who are completing the MTA may have different general education course requirements for the particular degree selected.

Meeting with a Ferris advisor prior to the selection of general education or elective coursework may reduce the chance of completing a course that will not apply toward the selected degree. Students must work with their Ferris advisor to declare a Minor or Concentration and for the selection of Directed Electives.

Once admitted, students are required to complete an orientation and should continue to meet with an advisor as they work toward graduation.

To schedule an appointment or for additional transfer resources and policies see our .

\*Indicates an approved Ferris course substitution

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## **Reverse Transfer Agreement**

Ferris has reverse transfer agreements with several Michigan Community Colleges. Under such agreement, Ferris will provide your official University transcript to a partner school you have attended, so that they may grant you an associate or bachelor's degree upon completion of sufficient and appropriate credit hours from both institutions. In turn, the degree-granting institution will provide Ferris with an updated transcript reflecting the newly earned credential.

## **Michigan Transfer Agreement (MTA)**

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program-specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.

## **Transfer Equivalencies Tools**

The transfer equivalencies link is located in the Transfer Resources section at .

## **Disclaimer**

Transfer guides are not intended to be a contract with Ferris. The information in this guide is subject to change and is aligned with the catalog year listed above. Students should contact their community college and/or Ferris to keep informed of changes. Students' final responsibility for verifying all transfer information lies with the student. Please refer to the for the most current curriculum.

Partners may contact the Office of Transfer and Secondary School Partnerships with questions or updates at .