

Grand Rapids Community College (GRCC)

Articulation Agreement and Transfer Guide

The Bachelor of Science in Construction Management curriculum produces graduates who are prepared to manage the entire construction process. This industry-driven degree blends technical instruction in construction and engineering with a strong business education. It builds on a foundation strong in basic construction technology, mathematics, science and general education with program courses covering project costs, estimating, economics, scheduling, contracts, safety, engineering fundamentals, technical communication, advanced computer software and technology, and business management.

General Admission Criteria

Returning Students

- 2.5 cumulative GPA
- Student must have passed MATH 120/126 with a C or better
- Student must have credit for PHYS 211
- Completion of AAS in BCTM, CETH, CETM or Architectural Technology through Ferris State University

Transfer Students

- 2.5 cumulative GPA
- Student must have passed MATH 120/126 (MA 108 at GRCC) with a C or better (or transfer equivalent with a C or better for transfer) or higher math
- Student must have credit for PHYS 211 (PH 125 at GRCC)
- Completion of AAS in Architectural Technology through Grand Rapids Community College
- Must complete CONM 122, 211, 212, 222, 225, and HVAC 337 through Ferris State University with a 2.5 GPA prior to entry to 300/400 level CONM courses. Additionally, ENGL 311 must be completed prior to the start of all 400 level CONM courses.

Communication Competency Course Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
ENGL 150	English 1	3	EN 100 or EN 101	College Writing or English Composition 1	3
ENGL 211	Industrial and Career Writing	3	BU 102 or EN 249	Business & Technical English or Technical Writing	3
ENGL 311	Advanced Technical Writing	3	No Equivalent	No Equivalent	No Equivalent

Quantitative Literacy Course Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
MATH 132 & MATH 1-Q	Survey of Calculus	3 2	MA 129	Survey of Calculus	5

Natural Sciences Competency Course Requirements – Minimum 6 Credits Required; at least one course must have a lab

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
GEOL 121 or GEOG 111 or PHSC 110	Physical Geology or Geography of Physical Environment or Inquiry into the Earth System	4	GL 101 or GE 132 or GL 111	Introduction to Geology or Physical Geography or Earth Science for Educators	4

Self and Society Competency Course Requirements – 9 Credits Required – Courses must come from 2 different disciplines

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
Varies	FSU General Education – Self and Society electives	6	Varies	Varies	Varies

Culture Competency Course Requirements – 9 Credits Required – Courses must come from 2 different disciplines; 1 at 200 level or higher

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
Varies	FSU General Education – Culture electives	6	Varies	Varies	6

[Ferris State University General Education Program](#)

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

Diversity – “Diversity (both Global and U.S. Diversity)” and “Self and Society Foundation” requirements must be met either through Culture or Self and Society or other courses

Major Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
CONM 122	Construction Surveying - Layout	3	No Equivalent	No Equivalent	No Equivalent
CONM 211	Construction Estimating 1	3	No Equivalent	No Equivalent	No Equivalent
CONM 212	Soils and Foundations	3	No Equivalent	No Equivalent	No Equivalent
CONM 221	Statics and Structures	3	No Equivalent	No Equivalent	No Equivalent
CONM 222	Construction Administration	3	No Equivalent	No Equivalent	No Equivalent
CONM 225	Field Engineering	3	No Equivalent	No Equivalent	No Equivalent
CONM 311	Formwork and Temporary Structures	3	No Equivalent	No Equivalent	No Equivalent
CONM 312	Construction Scheduling	3	No Equivalent	No Equivalent	No Equivalent
CONM 321	Construction Estimating II	3	No Equivalent	No Equivalent	No Equivalent
CONM 324	Advanced Construction Computer Techniques and Technology	3	No Equivalent	No Equivalent	No Equivalent
CONM 373	Ethics and Professionalism in Construction	1	No Equivalent	No Equivalent	No Equivalent
CONM 412	Construction Contracts	3	No Equivalent	No Equivalent	No Equivalent
CONM 413	Construction Economics	3	No Equivalent	No Equivalent	No Equivalent
CONM 424	Construction Safety and Management	3	No Equivalent	No Equivalent	No Equivalent
CONM 499	Construction Project Management	3	No Equivalent	No Equivalent	No Equivalent
HVAC 337*	Mech. – Elec. Systems for Building	3	No Equivalent	No Equivalent	No Equivalent

*Not a requirement for students with a BCTM, CETM, or CETH degree.

Advisor Directed Electives – 4 Credits Required; 2 of the following 4 courses will be offered on the GRCC campus dependent upon faculty availability for the Grand Rapids cohort.

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
CONM 460	Current Topics in Construction Management	2	No Equivalent	No Equivalent	No Equivalent
CONM 461	Sustainability in Construction	2	No Equivalent	No Equivalent	No Equivalent
CONM 462	Power and Process Plant Construction	2	No Equivalent	No Equivalent	No Equivalent
CONM 463	Infrastructure Construction	2	No Equivalent	No Equivalent	No Equivalent

Technical Related – 9 Credits Required

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
ACCT 221 (ACCT 201)	Principles of Construction Accounting	3	BA 256	Principles of Accounting 1	4
BLAW 301	Legal Environment of Business	3	No Equivalent	No Equivalent	No Equivalent
MGMT 3—	Management Elective (MGMT 302, 305, 373, (310 with permission)	3	BA 282	Organizational Behavior	3

Associate Degree Coursework – 62 Credits Required

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
Varies	AAS in Building Construction Technology, Civil Engineering Technology - Highway Emphasis; Architectural Technology through Ferris State University (ARCH, BCTM CETM, CONM courses)	29+	Varies	AAS in Architectural Technology (AR 103, AR 105, AR 106, AR 112, AR 120, AR 121, AR 125, AR 129, AR 201, AT 270, COM 131, EC 251, PH 125)	Varies

Total Credits Required for Degree

122

Program Contact Information:**Main Campus, Big Rapids****College of Engineering Technology****School of Built Environment**

(231) 591-3773 | [Construction Programs Email](#)

Ferris Statewide, FSU-Grand Rapids

(616) 451-4777 | (800) 998-3425 | [Ferris Grand Rapids Website](#) | [Ferris Grand Rapids Email](#) | [Ferris Statewide Website](#)

www.ferris.edu/transfer

Delivery Locations

This degree and the Ferris courses are offered to GRCC students at the following locations:

- Grand Rapids Community College, Grand Rapids, MI
- Ferris State University, Big Rapids, MI
- Select courses delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at Grand Rapids Community College, the Ferris main campus, or at another off-campus location).

Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, and have any questions answered prior to completing an application. 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 course work may reduce the chance of completing a course that will not apply toward the selected degree. Once admitted, students must continue to meet with an advisor as they work toward graduation.

Transfer Student Orientation

All new students to Ferris State University are required to complete an orientation.

Reverse Transfer Agreement

Grand Rapids Community College and Ferris have entered into a partnership in order to work collaboratively and creatively to increase student completion of associate and bachelor degrees. The partners work together to provide a seamless transfer experience and increase student retention and completion at both Grand Rapids Community College and Ferris.

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 courses that meet the MTA.

Students must work with their Ferris advisor to declare a Minor or Concentration and for selection of Directed Electives.

Original Signed Articulation Agreement

The original, signed document is kept on file in the Office of Transfer and Secondary School Partnerships. To obtain a copy of the original, signed document, contact the Office of Transfer and Secondary School Partnerships at 231/591-5983 or email your request to transfercenter@ferris.edu.

This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Agreement delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Agreement.

Indemnification

To the extent permitted by law, Ferris State University and Grand Rapids Community College agree to indemnify and hold one another harmless from any and all claims initiated by student participants, their parents, survivors, or agents, arising from any negligent acts or omission on the part of either institution or any of their employees.

Articulation Agreement

Effective Dates: September 1, 2018 – September 1, 2021

This Agreement shall commence as September 1, 2018 and shall be for an initial term of three years. Minor updates to the agreement may be made during this time. This agreement may be renewed at the end of three years. Either party may terminate this agreement by providing the other party with written notice of the intent to terminate the agreement. The agreement shall terminate not less than one hundred eighty (180) days from the date of the termination notice, unless otherwise agreed in writing by both parties.

Signatures

Ferris State University
1201 S. State Street
Big Rapids, MI 49307
Phone: (231) 591-2000

Grand Rapids Community College
143 Bostwick Ave NE
Grand Rapids, MI 49503
Phone: (616) 234-4000

Richard Goosen
Interim Dean
College of Engineering Technology

Amy Mansfield
Dean
School of Workforce Development

Suzanne Wheeler
Program Coordinator
Construction Technology and Management

Michael Merchant
Department Head/Program Director
Mechanical and Architectural Design