

### Grand Rapids Community College (GRCC) Architectural Technology, A.A.A.S. Articulation Agreement and Transfer Guide

The demand for facility management graduates is high and a career in facility management offers many opportunities. The responsibilities of facility management are varied and numerous. A facility manager may supervise numerous aspects of a company's facilities, including architecture, interior design, computer systems, telecommunications, real estate acquisition, security and more. As such, facility managers wear many professional hats and must be knowledgeable and skilled as communicators, environmentalists, designers & space planners, strategic planners, financial planners, "tekkies" and team leaders (International Facility Management Association - IFMA). This innovative baccalaureate degree program is one of a select group in North America accredited by the International Facility Management Association as meeting the highest academic standards for professional education in facility management.

#### Communication Competency Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
COMM 121 or COMM 105	Fundamentals of Public Speaking or Interpersonal Communications	3	COM 131 or COM 135 (AAAS degree requirement)	Fundamentals of Public Speaking or Interpersonal Communications	3
ENGL 150	English 1	3	EN 100 or EN 101 (AAAS degree requirement)	College Writing or English Composition 1	3
ENGL 250	English 2	3	EN 102 (AAAS degree requirement)	English Composition 2	3
ENGL 311	Advanced Technical Writing	3	EN 249	Technical Writing	3

#### Quantitative Literacy Course Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
MATH 115 + MATH 1-Q or MATH 120	Intermediate Algebra or Trigonometry	4 or 3	MA 107 or MA 108	Intermediate Algebra or Trigonometry	4 or 3

#### Natural Sciences Competency Requirements - 1 course with lab

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
Varies	FSU General Education - Natural Sciences Elective (BIOL 111, 116, GEOL 121, GEOG 121)	3 - 4	Varies	Varies	3
PHYS 211	Introductory Physics 1	4	PH 125 (AAAS degree requirement)	College Physics 1	4

#### Culture Competency Requirements - Minimum 9 credits from 2 different disciplines with 1 at FSU 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
ARTH GC	Culture General Credit	3	AT 270 (AAAS degree requirement)	History of Architecture	3

#### Self and Society Competency Requirements – Minimum 9 credits from 2 different disciplines with 1 at FSU 200 level or higher

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
Varies	FSU General Education – Self and Society Electives	3	Varies	Varies	3
ECON 201	Principles of Microeconomics	3	EC 252	Principles of Microeconomics	3
ECON 202	Principles of Macroeconomics	3	EC 251	Principles of Macroeconomics	3

#### [Ferris State University General Education Program](#)

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
- 1 course with the U.S. Diversity attribute

**Major Requirements – 29 credits required**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
FMAN 321	Principles of Facility Management	3	No Equivalent	No Equivalent	No Equivalent
FMAN 322	Project Management	3	No Equivalent	No Equivalent	No Equivalent
FMAN 331	Facility Programming & Design Process	3	No Equivalent	No Equivalent	No Equivalent
FMAN 393	Facility Management Internship	4	No Equivalent	No Equivalent	No Equivalent
FMAN 431	Principles of Space Planning	3	No Equivalent	No Equivalent	No Equivalent
FMAN 432	Principles of Interior Architecture	3	No Equivalent	No Equivalent	No Equivalent
FMAN 441	Property Development & Planning	3	No Equivalent	No Equivalent	No Equivalent
FMAN 451	Planning & Budgeting for Operations	3	No Equivalent	No Equivalent	No Equivalent
FMAN 489	Capstone Research	1	No Equivalent	No Equivalent	No Equivalent
FMAN 499	Capstone Thesis	3	No Equivalent	No Equivalent	No Equivalent

**Technical Related – 18 credits required**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
BLAW 301	Legal Environment of Business	3	No Equivalent	No Equivalent	No Equivalent
HVAC 483	HVACR Building Systems	3	No Equivalent	No Equivalent	No Equivalent
STQM 260	Introductory Statistics	3	MA 215	Statistics	3
MGMT 301	Applied Management	3	No Equivalent	No Equivalent	No Equivalent
MGMT 350	Management Metrics & Decision Making	3	No Equivalent	No Equivalent	No Equivalent
MGMT 302 or MGMT 305	Organizational Behavior or Supervision & Leadership	3	No Equivalent	No Equivalent	No Equivalent

**Credits to Meet 120 Minimum**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
Varies	GRCC Architectural Technology A.A.A.S degree or equivalents approved by department	33-38	AR 103 AR 105 AR 106 AR 112 AR 119 AR 120 AR 121 AR 125 AR 129 AR 201 AR 202 AR 218	Building Codes & Standards Construction Materials 1 Construction Materials 2 Mechanical & Electrical Drafting Introduction to Architectural CAD Architectural Working Drawings 1 Architectural Working Drawings 2 Print Reading & Specifications Architectural 3D CAD Architectural Graphics 1 Architectural Graphics 2 Sustainable Residential Design	2 3 3 3 3 4 4 3 3 3 3 3

<b>Total Credits Required for Degree</b>	<b>125</b>
--	------------

**Program Delivery Locations and Contact Information:****Main Campus, Big Rapids****College of Engineering Technology****School of Built Environment**(800) 433-7747 | (231) 591-3773 | [School of Built Environment Website](#)**Architecture and Facility Management Department**

(231) 591-3100

[Transfer Partnerships Website](#)*(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 an off-campus location))***General Admission Criteria****Transfer Students**

- Associate Degree from Architectural Technology or equivalent for 60+ credit hours.
- GPA of 2.75 or higher.

**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.

**Grand Rapids Community College courses that are listed above but are not part of the Architectural Technology A.A.A.S. degree requirements, may be completed at Grand Rapids Community College.**

## 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 classes 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](mailto: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, 2020 – September 1, 2023

This Agreement shall commence as of September 1, 2020. Minor updates to the agreement may be made during this time. This agreement may be renewed at the end of four 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 Avenue N.E.  
Grand Rapids, MI 49503  
Phone: (616) 234-4000

September 1, 2020

Richard Goosen  
Interim Dean  
College of Engineering Technology

September 1, 2020

Amy Mansfield  
Dean  
School of Workforce Development

September 1, 2020

Diane Nagelkirk  
Program Coordinator  
Architecture Technology and Facility Management

September 1, 2020

Michael Merchant  
Department Head / Assistant Professor  
Mechanical and Architectural Design