

Grand Rapids Community College
Plastics & Polymer Engineering Technology A.A.A.S.
Transfer Guide & Articulation Agreement

After completing the Plastics Engineering Technology degree, students are immediately employable by the plastics industry. There is consistent, virtually 100 percent placement of our graduates. B.S. graduates usually start in engineering positions such as process, product or project engineer, quality control engineer or technical sales representative. Many of our graduates have attained management positions throughout the plastics industry.

General Admission Criteria

To be admitted to this degree, students must enter with a minimum of 48 credits and complete the course prerequisites with a “C” or better (2.0 on 4.0 scale). It is required PHYS 211 (PHY 121) be completed with a “C” or better prior to entry into the program. A minimum 2.5 grade point average is required, and students will need to submit all official college transcripts with their application. Ferris only accepts transfer grades of “C” or above unless a MACRAO agreement exists.

Course Requirements

Grand Rapids Community College			
Course	Ferris Equiv.	GRCC Course Titles	Cr. Hrs.
EG 110	EETEC 140	Industrial Graphics w/ CAD	3
MN 219	PLTS General Cr.	Survey of Polymer Technology	3
MN 220	PLTS General Cr.	Basic Plastic Processes	4
MA 110	MATH General Cr.	College Algebra	4
CHM 120	CHEM 114/ CHEM1ZL	Survey of General Chemistry	5
EL 144	EEET General Cr.	Basic Electricity	3
MN 165	PLTS 223	Plastics Testing	4
MN 223	PLTS General Cr.	Injection Molding	3
MN 242	PLTS 211	Applied Injection Molding	4
CHM 240	CHEM 214	Survey of Organic Chemistry	4
TE 282	PLTS 193	Co-op Education in Technology 1	3
EN 101	ENGL 150	English Composition 1	3
DR 241	CDTD General Cr.	Mold Design and Theory	3
MN 244	PLTS 121	Advanced Plastics Processes	4
MA 108	MATH 120	Trigonometry	2
PH 125	PHYS 211	General Physics 1	4
WE Elective	RMLS General Cr.	GRCC Wellness (Required for GRCC Graduation)	1
EN 102	ENGL 250	English Composition 2	3
COM 131	COMM 121	Fundamentals of Public Speaking	3
PS 110	PLSC 121	Survey of American Government	3
Humanities Elective	VARIES	Ferris General Education Requirement (Cultural Enrichment)	3
MN 217	MECH General Cr.	Industrial Hydraulics	4
Total GRCC Credits			73

Ferris State University		
Course	FSU Course Titles	Cr. Hrs.
PLTS 312	Plastics Product and Tool Design 2	4
PLTS 320	Plastics and Elastic Materials	3
MECH 340	Statics and Strengths of Materials	4
Gen-Ed*	Cultural Enrichment Elective	3
PLTS 321	Advanced Injection Molding	4
PLTS 300	Plastics Engineer Management Systems	4
EEET 301	Controls for Automation	3
ENGL 311	Advanced Technical Writing	3
PLTS 393	Industrial Internship	4
PLTS 411	Plastics Decorating and Assembly	4
MFGE 351	Introduction to Industrial Engineering	3
MFGE 353	Statistical Quality Control	3
Gen-Ed*	Social Awareness Elective	3
PLTS 410	Plastics Costing, Packaging, & Economic Issues	3
PLTS 499	Plastics Career Skills	1
MFGE 451	Introduction to Plant Engineering	3
FSU	Directed Elective (see advisor)	2
Gen-Ed*	Cultural Enrichment Elective (one course, must transfer to Ferris at 200-Level or higher if taken at GRCC)	3
Gen-Ed*	Social Awareness Elective (one course, must transfer to Ferris at 200-Level or higher if taken at GRCC)	3
Total Ferris Credits		48-60
TOTAL CREDITS		121-133

*These courses can be completed at GRCC; however, students must consult with Ferris Faculty Advisor prior to completing the courses due to the timeline and sequencing needed to complete the degree.

**Plastics Engineering Technology B.S.
Transfer Guide & Articulation Agreement****Grand Rapids Community College
Plastics & Polymer Engineering Technology A.A.A.S.****Contact Information**
Ferris Statewide, FSU-Grand Rapids
(616) 451-4777 or fsugr@ferris.edu
www.ferris.edu/statewide**Big Rapids Campus**
College of Engineering Technology
http://www.ferris.edu/HTMLS/colleges/
(231) 591-3773**Delivery Locations**

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

- Ferris State University, Big Rapids Campus, Big Rapids MI
- 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)

Online Orientation

Orientation is required for students who register for an online *course*. Students must first demonstrate competency in FerrisConnect skills. This may be done by taking a tutorial and quiz or by submitting a waiver request (for those who have already taken and passed online courses). First check with the department that offers the class to determine their particular needs regarding registration for online course work and/or your Ferris advisor.

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 MACRAO Stamp may have different general education course requirements for the particular degree selected. Meeting with a Ferris advisor prior to the selection of any electives or general education classes shown above could 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 towards graduation.


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

This Agreement shall commence as of February 14, 2014, and shall be for an initial term of four years, unless Ferris or Grand Rapids Community College terminate this Agreement in accordance with the terms of this Agreement, or unless either party is in material breach of any term of this Agreement. Termination by either party requires ninety (90) days prior written notice. Ferris or Grand Rapids Community College may terminate this Agreement by providing the other party with written notice, by first class mail, of the termination of the Agreement.

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

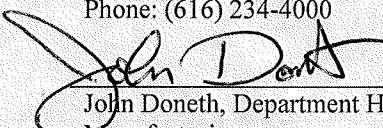


Bob Speirs, Program Coordinator
Plastics Engineering

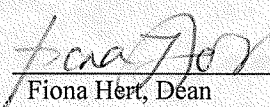


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John Doneth, Department Head
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