

Kalamazoo Valley Community College Transfer Guide

The Product Design Engineering Technology program at Ferris offers instruction and practical experience in all facets of product design. Students are prepared to effectively participate in a design environment, generate conceptual design sketches and drawings, create complex design layouts, perform static and dynamic analysis, create models and prototypes, create and define complex surfaces and shapes, and understand and integrate manufacturing principles into design. Study also emphasizes communication, mathematics and analytical skills. Students also receive hands-on experience through labs that gives them real-world experience.

General Admission Criteria

To be admitted to this degree program, students must have completed a minimum of 60 transferrable semester credit hours with a minimum GPA of 2.5 (on a 4.0 scale). Included in the 60 semester hours pre-admission courses are the following KVCC courses which must have a grade of C (2.0 on a 4.0 scale). ENGL 110, ENGL 111 or 127 COM 101 MATH 150 & 152 or 156 MSM 260 PHY 111 Social Awareness 100 level or higher (3 credits)* Cultural Enrichment 100 level or higher (3 credits)* One course in mechanical based computer aided drafting (CAD). It is recommended that students submit applications by January 15th prior to fall entry. Official transcripts from all accredited colleges/universities must be submitted with the Ferris application.

Course Requirements

Kalamazoo Valley Community College			
Course	FSU Equiv.	KVCC Course Title	Cr. Hrs.
Pre-admission classes			
COM 101	COMM 121	Public Speaking	3
ENG 110	ENGL 150	English Composition I	3
ENGL 111 or 127	ENG 250	English Composition II or Technical Writing	3
MATH 150 & 152 or MATH 156	MATH 126 or MATH 130	College Algebra & Trigonometry or Pre-calculus	3-4
MSM 260	MATL 240	Material Science	4
PHY 111	PHYS 211	General Physics I	4
KVCC	Varies	FSU General Education - Self and Society Elective (100 level or higher)	3
KVCC	Varies	FSU General Education - Culture Elective (100 level or higher)	3
KVCC	Varies	CAD Graphics Class (mechanical)	
Other classes	Varies	As needed to achieve a total of 60 credit hours	
Sub-Total (minimum)			60
Program classes			
KVCC	Varies	FSU General Education - Self and Society Elective (200 level or higher)	3
KVCC	Varies	FSU General Education - Culture Elective (200 level or higher)	3
ART 103	ARTS 101	Drawing/Comp I	3
CHM 100	CHEM 103	Introductory Chemistry	4
GEO 102	GEOG 100	World Geography	2
MATH 158 or 160	MATH 216	Applied Calculus or Calculus & Analy Geometry	3-5
DRFT 215	MECH 340	Statics & Strengths Matl (grade 3.0 or better)	4
Total Kalamazoo Valley Community College Credits			82 - 84

FSU General Education Requirements can be found at:
<http://www.ferris.edu/HTMLS/academics/gened/courses.htm>.

Ferris State University		
Course	Course Title	Cr. Hrs.
COMM 336	Technical & Professional Presentation	3
EEET 201	Electrical Automation	3
ENGL 321	Advanced Composition	3
MATL 341	Material Selection Metals	3
MECH 340	Statics & Strengths of Materials	4
MFGE 352	Design for Manufacturing	2
PDET 311	Seminar into Product Design	1
PDET 312	Advanced Tolerancing	2
PDET 321	Applied Mechanics and Kinematic	3
PDET 322	Solid Modeling & Prototyping	2
PDET 411	Machine Design	3
PDET 412	Statistics & Ergonomics	2
PDET 413	Applied Fluids and Thermodynamics	3
PDET 415	Advanced Solid Modeling CAD	3
PDET 422	Advanced Machine Design with FEA	3
PDET 499	Product Design Project	3
PLTS 342	Materials Selection Plastics	3
Total Ferris Credits		46
Credits Required for Degree		128 - 130

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 are encouraged to work with their Ferris advisor for selection of any electives, to ensure transferability and to minimize credits taken.

Program Offered at:
Main Campus, Big Rapids
 Product Design Engineering Technology
<http://www.ferris.edu/pdet>
 231-591-2755
Ferris Statewide, Grand Rapids
 (616) 451-4777 or (800) 998-3425
 Or fsugr@ferris.edu
www.ferris.edu/grandrapids
www.ferris.edu/transfer

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.

Online Learning

Select courses are 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). The "Online Readiness Tutorial" is required for students who register for an online *course* or are completing an online *degree*. Students must demonstrate competency in Blackboard skills. This may be done by taking a tutorial and quiz, or, for students who have already taken and passed online courses, submitting a waiver request. Students should check with the department that offers the class to determine its particular needs and/or the Ferris advisor regarding registration for online course work.

Reverse Transfer Agreement

The 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 the 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.

Disclaimer

This is a guide for students who plan to transfer to Ferris State University. This guide is not intended to be a contract with Ferris. The information on this guide is subject to change. Students should contact their community college or Ferris to keep informed of changes. Final responsibility for verifying all transfer information lies with the student. Please refer to the effective and/or revised date on the bottom of the guide.