

Ferris Program: Digital Animation and Game Design

Degree Type: Bachelor of Applied Science

Ferris College: College of Business

Transfer School: Macomb Community College

Consortium Eligible: No

Total Credits Required: 120-122

Catalog Year: 2026-2027

GENERAL EDUCATION REQUIREMENTS – 39-41 Credits Required

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.

Visit the Ferris State [general education page](#) for more information.

Communication Competency

The upper level English requirement can be met one of three ways. The first way is taking ENGL 311, 321, 323, or 325. The second way is taking two courses with the Communication Across the Curriculum (CATC) attribute and one course with the Oral Communication (COMM) attribute. The third way is by taking three courses with the Communication Across the Curriculum (CATC) attribute.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 105 or COMM 121 or COMM 221 or COMM 251	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making or Argumentation and Debate	3	SPCH 2100 or SPCH 1060 or SPCH 1200 or SPCH 2550
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	BCOM 2050 or ENGL 1190 or ENGL 1200
(Choose 1 of 5) ENGL 311	Advanced Technical Writing	3	No Equivalent
(Choose 1 of 5) ENGL 321	Advanced Composition	3	No Equivalent
(Choose 1 of 5) ENGL 323	Proposal Writing	3	No Equivalent
(Choose 1 of 5) ENGL 325	Advanced Business Writing	3	No Equivalent
(Choose 1 of 5) TDMP 326	Script Writing	3	No Equivalent

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Quantitative Literacy Competency

Requirements for Quantitative Literary Competency can be met with the following:

- Official Pre-2016 Math SAT Score of 560 or Higher
- Official Post-2016 Math SAT Score of 580 or Higher
- Official Math ACT Score of 24 or Higher

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 114 or MATH 115	Quantitative Reasoning for Professionals 2 or Intermediate Algebra	4 or 3	No Equivalent or MATH 1050/X

Natural Sciences Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Natural Sciences Electives	6	Varies

Culture 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
TDMP 110	Intro to Digital Media	3	
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
Varies	Self and Society Electives	9	Varies

COLLEGE REQUIREMENTS – 81 Credits Required

Major Courses

49 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DAGD 100	3D Modeling and Animation 1	3	MACA 2510
DAGD 104	Digital Imaging	3	MACA 1320

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DAGD 150	Introduction to Game Design and Development	3	No Equivalent
DAGD 155	Introduction to Coding for Games	3	ITCS 1950 or ITCS 2050
DAGD 202	Animation Foundation	3	MACA 2540
DAGD 204	Digital Imaging for 3D	3	No Equivalent
DAGD 230	3D Modeling and Animation 2	3	MACA 2520
TDMP 243	Field Production	3	MACA 1400
DAGD 260	Multimedia Design	3	No Equivalent
DAGD 305	Portfolio	3	No Equivalent
DAGD 310	Interaction Design	3	No Equivalent
BLAW 321	Contracts and Sales	3	No Equivalent
DAGD 340	Junior Project	3	No Equivalent
DAGD 491	Applied Internship	3	No Equivalent
DAGD 498	Seminar	1	No Equivalent
DAGD 499	Capstone	3	No Equivalent
PROJ 325	Agile Project Management	3	No Equivalent

Electives

14 Credits Required. In order to graduate with a bachelor's degree, a student must have a minimum of 120 credits. The electives required for each student may vary depending on courses taken. Based on how a student meets the programmatic requirements, they may need more or less than 14 credits of elective courses to meet the required 120 credit minimum. These courses are not used to calculate the major 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Electives (Advisor Approval)	14	Varies

CONCENTRATION – 21 Credits Required

Choose One Concentration

3D Animation Concentration (AN3D)

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DAGD 280	Digital Sculpting	3	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DAGD 335	3D Modeling and Animation 3 - Rendering, Lights, and Materials	3	No Equivalent
(Choose 4 of 5) DAGD 301	Animation Techniques	3	No Equivalent
(Choose 4 of 5) DAGD 345	Contemporary Tools and Techniques	3	No Equivalent
(Choose 4 of 5) DAGD 375	Advanced 3D - Character	3	No Equivalent
(Choose 4 of 5) DAGD 385	Advanced Modeling and Animation - Vehicle and Structure	3	No Equivalent
(Choose 4 of 5) DAGD 430	Digital FX	3	No Equivalent

Game Development Concentration (GMDV)

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DAGD 255	Game Programming 1	3	No Equivalent
DAGD 355	Game Programming 2	3	No Equivalent
(Choose 4 of 5) DAGD 300	Level Design	3	No Equivalent
(Choose 4 of 5) DAGD 302	Procedural Animation Techniques	3	No Equivalent
(Choose 4 of 5) DAGD 320	Multiplayer Game Programming	3	No Equivalent
(Choose 4 of 5) DAGD 420	Applied Digital Simulation	3	No Equivalent
(Choose 4 of 5) DAGD 460	Multimedia 2	3	No Equivalent

General Concentration (GDAG)

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
(Choose 6 of 15) DAGD 255	Game Programming 1	3	No Equivalent
(Choose 6 of 15) DAGD 280	Digital Sculpting	3	No Equivalent
(Choose 6 of 15) DAGD 300	Level Design	3	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
(Choose 6 of 15) DAGD 301	Animation Techniques	3	No Equivalent
(Choose 6 of 15) DAGD 302	Procedural Animation Techniques	3	No Equivalent
(Choose 6 of 15) DAGD 320	Multiplayer Game Programming	3	No Equivalent
(Choose 6 of 15) DAGD 335	3D Modeling and Animation 3 - Rendering, Lights, and Materials	3	No Equivalent
(Choose 6 of 15) DAGD 345	Contemporary Tools and Techniques	3	No Equivalent
(Choose 6 of 15) DAGD 355	Game Programming 2	3	No Equivalent
(Choose 6 of 15) DAGD 375	Advanced 3D - Character	3	No Equivalent
(Choose 6 of 15) DAGD 385	Advanced Modeling and Animation - Vehicle and Structure	3	No Equivalent
(Choose 6 of 15) DAGD 420	Applied Digital Simulation	3	No Equivalent
(Choose 6 of 15) DAGD 430	Digital FX	3	No Equivalent
(Choose 6 of 15) DAGD 460	Multimedia 2	3	No Equivalent
(Choose 6 of 15) Varies	Elective Course (Advisor Approval)	3	No Equivalent

PROGRAM CONTACT INFORMATION

College of Business
 School of Digital Media
 (231) 591-2712
SDM@ferris.edu

Ferris Statewide - Macomb Community College
 (586) 445-7150
FerrisSE@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.50 High School GPA (on a 4.00 scale)

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- SAT Scores Two of the Three Criteria:
 1. ERW SAT score of 450 or higher.
 2. Math SAT score of 500 or higher. Placement in MATH 109 or 110 will be considered (Math SAT score of 480 or higher).
 3. Composite SAT of 900 or higher.
- ACT Scores Two of the Three Criteria:
 1. English ACT score of 16 or higher.
 2. Math ACT score of 19 or higher.
 3. Reading ACT score of 19 or higher.

Transfer Student Admission Requirements

- Combined college or university GPA of 2.35 (on a 4.00 scale) from all institutions attended. GPA based on completion of 12 credit hours or more. Developmental courses will not be considered in computing the GPA requirement.
- Transfer equivalency for Ferris State University's ENGL 150 or placement during the first semester at Ferris State University which would require an English ACT score of 16 or higher; or ERW SAT score of 450 or higher; or English Accuplacer score of 6 or higher.
- Transfer equivalency for Ferris State University's MATH 114 or 115 or placement during the first semester at Ferris State University which would require a Math ACT score of 19 or higher; Math SAT of 500 or higher; or Math Accuplacer scores: Elementary Algebra score 75 or higher and College Level Math 0 to 49.

MORE INFORMATION

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 [free application](#).
- Submit official transcripts
 - Submit official transcripts from every school attended to Transfer@Ferris.edu
 - 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 [ACT website](#) - Ferris State University School Code: 1994
 - SAT, CLEP and AP Scores; go to the [College Board website](#) - 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 [Transfer Resource page](#).

*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 transfer.ferris.edu.

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 [Ferris catalog](#) for the most current curriculum.

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