

The Digital Animation and Game Design program is focused on educating students in the latest tools and technology used to create digital and interactive content to offer a multitude of futures for its graduates, from 3D animation to simulation to game design. The required general education classes are targeted to future employees in digital technology as well as providing general knowledge and skills that will be useful in many aspects of life. The foundation classes provide depth of knowledge applicable to any digital technology field with classes in design, business, 3D animation, and programming. Students can further focus their studies by concentrating in areas of Game Development, 3D animation, or a general concentration that combines the strongest elements of digital media. Before graduating, all students will also complete an internship to give them the real-world experience and the people connections necessary to succeed in their chosen profession.

Communication Competency Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
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 & Debate	3	COM 201	Public Speaking	3
ENGL 150	English 1	3	ENG 101	Eng. Composition	3
ENGL 211 or ENGL 250	Industrial & Career Writing or English 2	3	ENG 102	Eng. Composition	3
ENGL 311 or ENGL 321 or ENGL 323 or ENGL 325	Advanced Technical Writing or Advanced Composition or Proposal Writing or Advanced Business Writing	3	No Equivalent	No Equivalent	No Equivalent

Quantitative Literacy Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
MATH 115	Intermediate Algebra	3	MATH 050	Intermediate Algebra	4

Natural Sciences Competency Requirements - Two courses are required with a minimum of 6 credits: one course must have a lab.

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	Natural Sciences Elective	6 - 7	Varies	Varies	6 - 7

Culture Competency Requirements - Minimum 9 credits from 2 different disciplines with 1 course at 200 level or higher

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	FSU General Education - Culture Electives	9	Varies	Varies	9

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

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	FSU General Education – Self & Society Competency Electives	9	Varies	Varies	9

Electives - 9 Credits Required

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv	MCC Course Title	MCC Cr. Hrs.
Varies	Varies – Advisor Approved	3	Varies	Elective (3 credits must transfer at 300+ level) Advisor Approved	3
ISYS 1 - -	ISYS General Credit	3	CIS 162	Visual C# Programming	3
ISYS 216	Intro. to Java Programming	3	CIS 185	C Programming	3

Ferris State University General Education Program

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

Major Courses - 52 Credits Required

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
BLAW 321	Contracts & Sales	3	No Equivalent	No Equivalent	No Equivalent
DAGD 100	3D Modeling & Animation 1	3	No Equivalent	No Equivalent	No Equivalent
DAGD 103	3D Visualization - 3D Drawing & Sculpture	3	ART 117	Three Dimensional Form / Space	3
DAGD 104 (GRDE 1 - -)	Digital Imaging	3	GRD 103	Introduction to Photoshop	3
DAGD 150	Introduction to Game Design	3	CIS 124	Introduction to Game Development	3

Major Courses continued on page 2

Major Courses continued

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
DAGD 201	Animation Preproduction	3	No Equivalent	No Equivalent	No Equivalent
DAGD 204	Digital Imaging for 3D	3	No Equivalent	No Equivalent	No Equivalent
DAGD 230	3D Modeling & Animation 2	3	No Equivalent	No Equivalent	No Equivalent
DAGD 260	Multimedia Design	3	No Equivalent	No Equivalent	No Equivalent
DAGD 305	Portfolio	3	No Equivalent	No Equivalent	No Equivalent
DAGD 310	Interaction Design	3	No Equivalent	No Equivalent	No Equivalent
DAGD 315	Digital Media Productions	3	No Equivalent	No Equivalent	No Equivalent
DAGD 340	Junior Project	3	No Equivalent	No Equivalent	No Equivalent
DAGD 491	Applied Internship	3	No Equivalent	No Equivalent	No Equivalent
DAGD 498	Seminar	1	No Equivalent	No Equivalent	No Equivalent
DAGD 499	Capstone	3	No Equivalent	No Equivalent	No Equivalent
SENG 100	Introduction to Computer Programming	3	No Equivalent	No Equivalent	No Equivalent
TDMP 243	Field Production	3	No Equivalent	No Equivalent	No Equivalent

Application Domain – 21 Credits Required

Option One: 3D Animation and Visualization

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv	MCC Course Title	MCC Cr. Hrs.
DAGD 280	Digital Sculpting	3	No Equivalent	No Equivalent	No Equivalent
DAGD 301	Animation Techniques	3	No Equivalent	No Equivalent	No Equivalent
DAGD 335	3D Modeling & Animation 3	3	No Equivalent	No Equivalent	No Equivalent
DAGD 345	Contemporary Tools/ Techniques	3	No Equivalent	No Equivalent	No Equivalent
DAGD 375	Advanced 3D- Character	3	No Equivalent	No Equivalent	No Equivalent
DAGD 385	Advanced Modeling& Animation- Vehicle & Structure	3	No Equivalent	No Equivalent	No Equivalent
DAGD 430	Digital FX	3	No Equivalent	No Equivalent	No Equivalent

Option Two: Game Design and Development

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv	MCC Course Title	MCC Cr. Hrs.
DAGD 255	Game Programming 1	3	No Equivalent	No Equivalent	No Equivalent
DAGD 300	Level Design	3	No Equivalent	No Equivalent	No Equivalent
DAGD 302	Procedural Animation Techniques	3	No Equivalent	No Equivalent	No Equivalent
DAGD 320	Multiplayer Game Programming	3	No Equivalent	No Equivalent	No Equivalent
DAGD 355	Game Programming 2	3	No Equivalent	No Equivalent	No Equivalent
DAGD 420	Applied Digital Simulation	3	No Equivalent	No Equivalent	No Equivalent
DAGD 460	Web Game Development	3	No Equivalent	No Equivalent	No Equivalent
MATH 120	Trigonometry	4	MATH 112	Trigonometric Functions with Coordinate Geometry	4

Option Three: Interdisciplinary

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv	MCC Course Title	MCC Cr. Hrs.
TDMP 136	Audio Production	3	No Equivalent	No Equivalent	No Equivalent
Varies	Varies	18	No Equivalent	No Equivalent	No Equivalent

Total Credits Required for Degree**121 - 122**

Students seeking a Ferris DAGD degree must complete at least 60 credit hours within the School of Digital Media.

Program Contact Information:

Main Campus, Big Rapids**College of Education and Human Services****School of Digital Media**(231) 591-2712 | [School of Digital Media Webpage](#)**Ferris Statewide – Grand Rapids**(616) 452-4777 | (800) 998-3425 | [Ferris Statewide Email](#)[Transfer Partnerships Webpage](#)**Delivery Locations**

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

- Ferris State University, Main Campus, Big Rapids
- Ferris State University, Statewide, Grand Rapids
- 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

- 2.00 Overall GPA (on a 4.0 scale)
- At least 12 credits, including an English and Mathematics course.
- All courses transferred in must be at least a C grade or higher, including courses used in the DAGD required core and recommended electives.

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.

Graduation Requirements

In addition to meeting all the programmatic requirements, students must:

1. Meet University General Education requirements.
2. Earn a minimum of 120 credits.
3. Maintain a 2.00 or higher cumulative FSU GPA.
4. Earn 30 credits from FSU (Residency).
5. Earn 40 credits of 300 level or higher courses.
6. Maintain a 2.50 cumulative GPA in all required DAGD courses.
7. Earn a C grade or better in all pre-requisite courses.

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.

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.

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 effective and/or revised date on the bottom of this guide.