

ANIMATION AND VISUAL EFFECTS (3D & VFX PRODUCTION STUDIO) - BACHELOR OF CREATIVE MEDIA

The Creative Media Institute's Bachelor of Creative Media with an emphasis in Animation & Visual Effects currently offers 2 different paths, determined by the kind of senior project students wish to produce.

Students must complete all university requirements and the Animation and Visual Effects curriculum outlined below. All Animation and Visual Effects Curriculum requirements must be completed with a grade of C- or higher.

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 120 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
General Education		
<i>Area I: Communications</i>		10
	English Composition - Level 1 ¹	
	English Composition - Level 2 ¹	
	Oral Communication ¹	
<i>Area II: Mathematics</i> ^{1,2}		3-4
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i>		10-11
	Area III: Laboratory Sciences Course (4 credits) ¹	
	Area IV: Social/Behavioral Sciences Course (3 credits) ¹	
	Either an Area III/IV: Laboratory Sciences Course or Social/Behavioral Science Course (4 credits or 3 credits) ¹	
<i>Area V: Humanities</i> ¹		3
<i>Area VI: Creative and Fine Arts</i> ¹		
THEA 1210G	Acting for Non-Majors	3
<i>General Education Elective</i> ¹		3-4
Viewing a Wider World ³		6
Departmental/College Requirements		
<i>ANVE Core Courses</i>		
FDMA 1510	Foundations of 3D Animation	3
FDMA 2311	History of Animation ⁴	3
FDMA 2381	Storyboarding	3
	or ENGL 2381 Storyboarding	
FDMA 2382	Principles of Story Across the Media ⁴	3
	or ENGL 2382 Narrative: Principles of Story Across the Media	
FDMA 2530	Introduction to 3D Modeling	3
FDMA 2535	Digital Illustration Techniques	3
FDMA 2710	Beginning 2D Animation	3
FDMA 308	Writing for Animation	3
	or FDMA 309 Screenwriting I	
<i>3D & VFX Production Studio Pathway Courses</i>		
FDMA 2720	3D Animation	3

FDMA 2725	Rigging for 3D Animation	3
FDMA 2745	Light, Shade, Render	3
FDMA 332	3D Character Animation	3
FDMA 341	Visual Effects I	3
FDMA 360	Previsualization	3
FDMA 365	Character Design and Development	3
FDMA 401	Motion Capture Techniques	3
FDMA 433	Sets and Environments	3
FDMA 491	3D Production Studio I	6
FDMA 493	3D Production Studio II	6
Second Language Requirement: (not required)		0
Electives, to bring the total credits to 120 ⁵		16-19
Total Credits		120

- ¹ See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses.
- ² A Mathematics General Education course is required but students may need to take any prerequisites needed to enter the course selected first.
- ³ See the Viewing a Wider World (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses.
- ⁴ Required Pre-Application class for ANVE
- ⁵ Elective credit may vary based on General Education course selection, prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor.

Second Language Requirement

For the Bachelor of Creative Media with a major in Animation and Visual Effects, there is no second language requirement for the degree.

A Suggested Plan of Study

This roadmap assumes student placement in MATH 1130G Survey of Mathematics and ENGL 1110G Composition I. The contents and order of this roadmap may vary depending on initial student placement in mathematics and english. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

Freshman		Credits
English Composition - Level 1 Course ^{1,2}		4
ENGL 1110G	Composition I (recommended)	
<i>Area II: Mathematics</i> ^{1,2}		3-4
MATH 1130G	Survey of Mathematics (recommended)	
FDMA 2311	History of Animation (C- or better) ³	3
FDMA 2382	Principles of Story Across the Media (B- or better) ³	3
	or ENGL 2382 Narrative: Principles of Story Across the Media	
<i>Area III: Laboratory Sciences Course</i> ²		4
<i>Area V: Humanities Course</i> ²		3
THEA 1210G	Acting for Non-Majors	3
FDMA 2381	Storyboarding	3
	or ENGL 2381 or Storyboarding	

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FDMA 2530	Introduction to 3D Modeling	3
Elective Course ⁴		1
Credits		30-31

⁵ See the Viewing a Wider World (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses.

Sophomore

General Education Elective Course ²		3-4
English Composition - Level 2 Course ²		3
Choose one from the following:		
ENGL 2210G	Professional and Technical Communication	
ENGL 2221G	Writing in the Humanities and Social Science	
FDMA 1510	Foundations of 3D Animation	3
FDMA 2535	Digital Illustration Techniques	3
FDMA 2710	Beginning 2D Animation	3
Either an Area III/IV: Laboratory Science Course or Social/Behavioral Science Course ²		3-4
Oral Communications Course		3
Choose one from the following:		
ACOM 1130G	Effective Leadership and Communication in Agriculture	
COMM 1115G	Introduction to Communication	
COMM 1130G	Public Speaking	
HNRS 2175G	Introduction to Communication Honors	
FDMA 2745	Light, Shade, Render	3
FDMA 2720	3D Animation	3
FDMA 433	Sets and Environments	3
Credits		30-32

Junior

Viewing A Wider World Courses ⁵		6
FDMA 2725	Rigging for 3D Animation	3
FDMA 332	3D Character Animation	3
FDMA 365 or FDMA 433	Character Design and Development or Sets and Environments	3
FDMA 341	Visual Effects I	3
FDMA 308 or FDMA 309	Writing for Animation or Screenwriting I	3
FDMA 360	Previsualization	3
FDMA 401	Motion Capture Techniques	3
Area IV: Social/Behavioral Sciences Course ²		3
Viewing a Wider World Courses ⁵		3
Credits		33

Senior

FDMA 491	3D Production Studio I	6
FDMA 493	3D Production Studio II	6
Elective Courses ⁴		18
Credits		30
Total Credits		123-126

¹ These courses must be taken with a C- or better

² See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses.

³ Required Pre-Application class for ANVE

⁴ Elective credit may vary based on General Education course selection, prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor.