

Computer Animation Bachelor of Science

Degree Type

Bachelor of Science

Environment

campus

Program Length

80 weeks

Overview

The Computer Animation curriculum is centered on real-world production processes. From storyboarding, sketching, and visual development to modeling, character animation, and final compositing, this Computer Animation curriculum takes you through the entire production pipeline. Our programs start by familiarizing you with the art concepts behind animation, drawing, sculpting, and other traditional forms of expression, which are essential parts of getting your art onto the computer. You will also learn the foundational principles behind computer-generated models, characters, animation, and compositing. Then you will apply those principles when developing films, TV shows, commercials, and games. By using the same hardware and software as professional animation studios, you will gain the skills you will need when you embark on your career. You will also have courses focusing on physical science, mythology, communication skills, and how to prepare yourself for the animation industry.

Objective

Bachelor's Objective Our goal is to provide you with the focused knowledge and understanding of 3-D modeling and digital animation needed to qualify for such entry-level industry positions as scene builders, character artists, technical directors, performance animators, look development artists, and renderers. Besides the program's strong 3-D computer-graphics focus, you will build other skills in peripheral media and complete digital courses that will enhance your opportunities in related fields. In addition to technical proficiency and creative development, your education will help you develop critical-thinking, problem-solving, and analytical skills that will contribute to lifelong learning and provide you with tools to help sustain a long and productive professional career in the entertainment and media industries.

Month 1

Month 1

Code	Title	Credit Hours
GEN1011	Creative Presentation	3.0
DEP1013	Psychology of Play	3.0

Month 2

Month 2

Code	Title	Credit Hours
TEM1001	Technology in the Entertainment and Media Industries	4.0
ENC1101	English Composition I	4.0

Month 3

Month 3

Code	Title	Credit Hours
CGA121	3-D Foundations	4.0
CGA101	Fundamentals of Art I	3.0

Month 4

Month 4

Code	Title	Credit Hours
DIG1301	Model Creation	4.0

Month 5

Month 5

Code	Title	Credit Hours
CGA103	Fundamentals of Art II	4.0

Month 6

Month 6

Code	Title	Credit Hours
3DA119	Project and Portfolio I: 3-D Arts	3.0
CANC111	Professional Development Seminar I: Computer Animation	1.0

Month 7

Month 7

Code	Title	Credit Hours
CGA2112	3-D Animation I	4.0
MGF1213	College Mathematics	4.0

Month 8

Month 8

Code	Title	Credit Hours
CGA3112	3-D Animation II	4.0

Month 9

Month 9

Code	Title	Credit Hours
GRA1161	Shading and Lighting	4.0
3DA229	Project and Portfolio II: 3-D Arts	3.0

Month 10

Month 10

Code	Title	Credit Hours
CAB239	Project and Portfolio III: Computer Animation	3.0
ART2006	Art History	4.0
CANC222	Professional Development Seminar II: Computer Animation	1.0

Month 11

Month 11

Code	Title	Credit Hours
CGA343	Character Modeling Fundamentals	4.0
PHY1020	Fundamentals of Physical Science	4.0

Month 12

Month 12

Code	Title	Credit Hours
CGA366	Visual Development	4.0
CGA3312	Character Rigging	3.0

Month 13

Month 13

Code	Title	Credit Hours
CGA4014	Character Animation	4.0
CGA365	Compositing Fundamentals	3.0

Month 14

Month 14

Code	Title	Credit Hours
DIG3395	Motion Capture	3.0
CAB349	Project and Portfolio IV: Computer Animation	3.0

Month 15

Month 15

Code	Title	Credit Hours
CGA356	Compositing and Scene Finishing	4.0

Month 16

Month 16

Code	Title	Credit Hours
VIC3003	History of Visual Communications	4.0
CAB359	Project and Portfolio V: Computer Animation	3.0

Month 17

Month 17

Code	Title	Credit Hours
CGA462	Animation Production	3.0
HIS3320	Historical Archetypes and Mythology	4.0

Month 18

Month 18

Code	Title	Credit Hours
CAB401	Industry Production	4.0

Month 19

Month 19

Code	Title	Credit Hours
CAB469	Project and Portfolio VI: Computer Animation	3.0

Month 20

Month 20

Code	Title	Credit Hours
CAB479	Project and Portfolio VII: Computer Animation	3.0
CRR4000	Career Readiness	4.0
Total Credit Hours		120

Please Note

- Some specific courses may be offered online. Please see course descriptions for details.