Awards

Associate Degree: Simulation and Game Development (A25450)
Length of Program: 5 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Diploma: 3D Modeling and 3D Printing Diploma (D25450D1)
Length of Program: 3 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Diploma: SG Design and Development Diploma (D25450D2)
Length of Program: 3 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: SGD Basics Certificate (C25450C1)
Length of Program: 1 Semester
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: Interactive 3D Certificate (C25450C2)
Length of Program: 3 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: SG Programming Certificate (C25450C3)
Length of Program: 3 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: SG Design Fundamentals Certificate (C25450C4)
Length of Program: 2 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: 3D Printing Certificate (C25450C5)
Length of Program: 3 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: 3D Animation Certificate (C25450C6)
Length of Program: 2 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: Concept Art Certificate (C25450C7)
Length of Program: 3 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Certificate: SGD Basics Certificate (C25450H1)
Length of Program: 2 Semesters
Prerequisite: Placement Test Equivalent

Certificate: 3D Animation Certificate (C25450H2)
Length of Program: 2 Semesters
Prerequisite: Placement Test Equivalent

Certificate: SG Programming Certificate (C25450H3)
Length of Program: 2 Semesters
Prerequisite: Placement Test Equivalent

Rev. 12/06/18

Program Information Contact

Curriculum Chairperson
Stephen Umland
(910) 678-9792
Advanced Technology Center, Room 113-D
umlands@faytechcc.edu
www.faytechcc.edu

Other Important Information

Application Deadlines: The program only admits students in the fall semester. A student may enter at other times with approval of the Department Chairperson.

Scholarship/Title IV Financial Aid/VA Services: Scholarships/Title IV Financial Aid/Veteran's assistance may be available for associate degrees. Certificates and diplomas that fall under this program/area of study **may or may not be eligible** for Scholarship/Title IV Financial Aid/VA Services. Please contact the Financial Aid Office, Student Center, Room 2; Telephone (910) 678-8242. Veterans Services, General Classroom Building, Room 202, (910) 678-8580.

FTCC

2201 Hull Road
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(910) 678-8400

SIMULATION AND GAME DEVELOPMENT

www.faytechcc.edu

Fayetteville Technical Community College

910-678-8400
P.O. Box 35236 • 2201 Hull Road
Fayetteville, NC 28303

An Equal Opportunity Employer

PROGRAM FACT SHEET
SIMULATION AND GAME DEVELOPMENT (A25450)

The Simulation and Game Development Curriculum provides a broad background in simulation and game development with practical applications in creative arts, visual arts, audio/video technology, creating writing, modeling, design, programming and management.

Students will receive hands-on training in design, 3D modeling, software engineering, database administration and programming for the purpose of creating simulations and games.

Graduates should qualify for employment as designers, artists, animators, programmers, database administrators, testers, quality assurance analysts, engineers and administrators in the entertainment industry, health care industry, engineering, forensics, education, NASA and government agencies.

FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE
SIMULATION AND GAME DEVELOPMENT (A25450)
Effective: Fall 2019
Revised: 12/06/18

Length: 5 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent
Award: Associate in Applied Science

FALL SEMESTER 1

Prefix	No.	Title	Class	Lab	Work Exp.	Credit
ACA	120	Career Assessment	1	0	0	1
or						
ACA	122	College Transfer Success	0	2	0	1
ENG	110	Freshman Composition	3	0	0	3
or						
ENG	111	Writing and Inquiry	3	0	0	3
SGD	111	Introduction to SGD	2	3	0	3
SGD	112	SDG Design I	2	3	0	3
SGD	113	SGD Programming	2	3	0	3
SGD	114	3D Modeling	2	3	0	3
		TOTALS	**11**	**12**	**0**	**16**

SPRING SEMESTER 1

Prefix	No.	Title	Class	Lab	Work Exp.	Credit
SGD	116	Graphic Design Tools	2	2	0	3
SGD	117	Art for Games	2	3	0	3
SGD	162	SG 3D Animation	2	3	0	3
SGD	174	SG Level Design	2	3	0	3
		SGD Elective I	2	3	0	3
		TOTALS	**10**	**14**	**0**	**15**

SUMMER SEMESTER 1

Prefix	No.	Title	Class	Lab	Work Exp.	Credit
COM	120	Intro Interpersonal Com	3	0	0	3
or						
COM	231	Public Speaking	3	0	0	3
SGD	158	SG Business Management	3	0	0	3
		TOTALS	**6**	**0**	**0**	**6**

FALL SEMESTER 2

Prefix	No.	Title	Class	Lab	Work Exp.	Credit
SGD	212	SGD Design II	2	3	0	3
		Math Elective	2	2	0	3
		SGD Elective 2	6	9	0	9
		TOTALS	**10**	**14**	**0**	**15**

SPRING SEMESTER 2

Prefix	No.	Title	Class	Lab	Work Exp.	Credit
SGD	288	SGD Portfolio Design	1	2	0	2
SGD	289	SGD Project	2	3	0	3
		Humanities/Fine Arts Elec	3	0	0	3
		Social/Behav Sci Elective	3	0	0	3
		Major Elective	2	3	0	3
		TOTALS	**11**	**8**	**0**	**14**

TOTAL REQUIRED CREDITS.... 66

Work-Based Learning Option: Qualified students may elect to take up to three (3) credit hours of Work-Based Learning in lieu of a Major elective provided they acquire approval from the Co-op/Work Based Learning Coordinator and the Department Chairperson.

*Note: Students **may not** take an introductory foreign language to fulfill the Humanities/Fine Arts requirement.

Note: The acceptance of transfer credit is ultimately up to the receiving institution. Where choices are available it is best to contact the institution you plan to attend to maximize your selection. See your advisor for assistance in selecting courses.
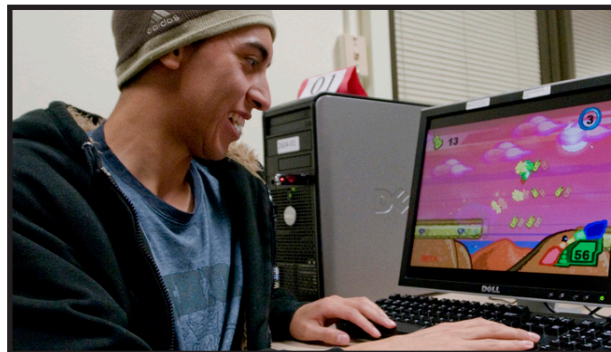
Refer to the FTCC website for the most current information.
Go to www.faytechcc.edu and click on College Catalog.