

Pre-Software/Computer Engineering: AA/AS Dual Degree



**Academic
& Career
Pathways**
Florida SouthWestern State College

Example Course Sequence

AA/AS Dual Degree

PRE-SOFTWARE/COMPUTER ENGINEERING

CATALOG YEAR 2025-2026

COMPUTING TECHNOLOGY PATHWAY

This map is for students earning both the Associate in Arts (General Studies) and Associate in Science (Science & Engineering Technology) degrees. Completing both degrees together helps you meet prerequisite and general education requirements to transfer to a Florida public school for a Bachelor's degree in this major. Classes with the symbol help you explore this pathway.

Learn about FSW's Computing Technology Degrees: fsw.edu/pathways/computing



Get to graduation sooner!

Take the AAF Math Placement Test at FSW Testing to see if you qualify for a fast track through your math courses!

Sample Questions:



Schedule Your Test:



Semester 1

Course	Credits	Notes
SLS 1515	CORNERSTONE EXPERIENCE	3
ENC 1101*	COMPOSITION I	3
CHM 2025	INTRO TO COLLEGE CHEMISTRY	3
CHM 2025L	INTRO TO COLLEGE CHEM LAB	1
MAC 1106	COLLEGE ALGEBRA/PRECALCULUS	4
Total Semester Credits:		14

Semester 2

Course	Credits	Notes
MAC 1114	TRIGONOMETRY	4
ENC 1102*	COMPOSITION II	3
CHM 2045	GENERAL CHEMISTRY I	3
CHM 2045L	GENERAL CHEMISTRY I LAB	1
COP 1000	INTRO TO COMPUTER PROGRAMMING	3
Total Semester Credits:		14

Semester 3

Course	Credits	Notes
MAC 2311	CALC W/ANALYTIC GEOMETRY I	4
HUMANITIES*	ANY WRIT. INTENS. CORE HUMANITIES	3
Total Semester Credits:		7
Total Academic Year Credits:		35

Semester 4

Course	Credits	Notes
MAC 2312	CALC W/ANALYTIC GEOMETRY II	4
PHY 2048	GENERAL PHYSICS I	4
PHY 2048L	GENERAL PHYSICS I LABORATORY	1
COP 2800	JAVA PROGRAMMING	3
SOCIAL SCI. / CIVIC LIT.	CHOOSE AMH 2010, AMH 2020 OR POS 2041	3
Total Semester Credits:		15



**PRE-SOFTWARE/COMPUTER
ENGINEERING PROGRAM MAP**
Example Course Sequence

Semester 5			
Course		Credits	Notes
IDS 2891	CREATIVE CAPSTONE	3	
PHY 2049	GENERAL PHYSICS II	4	
PHY 2049L	GEN PHYSICS II LAB	1	
HUMANITIES*	ANY WRITING INTENS. HUMANITIES	3	
MAC 2313	CALC W/ANALYTIC GEOMETRY III	4	
Total Semester Credits:		15	
Semester 6			
Course		Credits	Notes
ECO 2013	PRINCIPLES OF MACROECONOMICS	3	
MAP 2302	DIFFERENTIAL EQUATIONS I	4	
Total Semester Credits:		7	
Total Academic Year Credits:		37	
Overall Credits:		72	

