

Academic Pathway to:
Engineering: UF

Associate in Arts
Code: 1080
Length: 60 credits

For more information contact:
Student Affairs
850-526-2761

FRESHMAN YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101	English Composition I	3	ENC 1102	English Composition II	3
CHM 1045C & 1045L ⁴	General Chemistry I with Lab	4	CHM 1046C & 1046L ^{3,6}	General Chemistry II with Lab	4
MAC 1311 ^{2,4}	Calculus I	4	or BSC 2010 & 2010L ⁶	Biology for Science Majors I	
SLS 1101	Orientation	1	MAC 2312 ⁴	Calculus with Analytic Geometry II	4
SLS 1401	Career and Life Planning	1	XXX XXXX	HUMANITIES CORE	3
TOTAL		13	TOTAL		14

SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX ¹	GORDON RULE WRITING	3	XXX XXXX ¹	GORDON RULE WRITING	3
MAC 2313 ⁴	Calculus with Analytic Geometry III	4	XXX XXXX ⁵	SOCIAL SCIENCE	3
XXX XXXX ⁵	SOCIAL SCIENCE CORE	3	PHY 2049C & 2049L ⁴	General Physics II with Calculus	5
PHY 2048C & 2048L ⁴	General Physics with Calculus I	5	MAP 2302 ⁴	Differential Equations	3
TOTAL		15	TOTAL		14

¹ See General Education Requirements in the Current Chipola College Catalog.

² MAC 1311 Prerequisites: MAC 1114 and MAC 1140

³ CHM 1046C & 1046L required for Biological, Biomedical, Chemical, Environmental, and Materials Science Engineering majors only.

⁴ Prerequisite courses for admissions in the upper division major with a "C" or higher: MAC 1311, MAC 2312, MAC 2313, MAP 2302, CHM 1045C/Lab, PHY 2048C/Lab, and PHY 2049C/Lab

⁵ Students enrolled in AA, AS, or BS degree programs must complete the State of Florida's Civic Literacy requirement. See catalog or contact an Academic Advisor for more information. Requirements: FCLE AND one course from POS 2041 or AMH 2020 or (AMH 2010 beginning Fall 2024).

⁶ See PAGE 2 for majors that require CHM 1046C & 1046L or BSC 2010 & 2010L

All first time in college (Fall 2014 and beyond) students are required to successfully complete two years of the same foreign language in high school or two semesters of the same foreign language at the college level before the associate degree is awarded.

While academic advisors, faculty, and staff provide significant academic planning and related assistance to students, completion of all degree requirements, and the process of monitoring progress to that end, is ultimately the responsibility of the student.

See page 2 from major specific courses.

Engineering Programs	CHM 1045C/L	CHM 1046C/L	MAC 1311	MAC 2312	MAC 2313	MAP 2302	PHY 2048/L	PHY 2049/L	Other Required Courses
Aerospace	X		X	X	X	X	X	X	BSC 2010 or CHM 1046C
Biological	X	X	X	X	X	X	X	X	BSC 2010
Biomedical	X	X	X	X	X	X	X	X	BSC 2010/L, CHM 2210, CHM 2211
Chemical	X	X	X	X	X	X	X	X	BSC 2010, CHM 2210/L, CHM 2211/L
Civil	X		X	X	X	X	X	X	BSC 2010
Computer Engineering	X		X	X	X	X	X	X	BSC 2010, BSC 2011, or CHM 1046C
Computer Science	X		X	X	X		X	X	
Digital Arts & Sciences	X		X	X	X	X	X	X	
Electrical	X		X	X	X	X	X	X	BSC 2010, BSC 2011, or CHM 1046C
Environmental	X	X	X	X	X	X	X	X	
Industrial & Systems	X		X	X	X		X	X	ECO 2013, ECO 2023, ACG 2021
Materials Science & Engineering	X	X	X	X	X	X	X	X	
Mechanical	X		X	X	X	X	X	X	BSC 2010 or CHM 1046C
Nuclear	X		X	X	X	X	X	X	BSC 2010 or CHM 1046C,

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