This Associate in Arts degree program is designed for students who expect to transfer in any of 16+ majors within the College of Engineering at University of Florida

For additional program information, visit the UF website and academic map for each engineering major.

Engineers must possess a thorough working knowledge of math and science; an understanding of the legal, economic, environmental, and social restrictions of society; and clear and precise oral and written communication skills. UF engineering majors include aerospace, agricultural/biological, chemical, civil, computer, electrical, environmental, surveying/mapping, industrial, materials science, mechanical, and nuclear engineering.

For more information please visit the Occupational Outlook Handbook website.

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.

ACADEMIC PLAN: Associate in Arts Degree

Engineering
Transfer Institution: University of Florida

Code 1080
Program Length 60 credits

2020-2021

For more information Contact:

Student Affairs
Chipola College
(850) 718-2266

Entrance Requirements

A minimum overall GPA of 2.0 is required for admission; a minimum GPA of 2.5 is required in all pre-professional courses. A grade of C or better is required on all tracking courses with no more than two attempts. Withdrawals count as attempts. Check UF website for minimum GPA requirements for your specific major within the College of Engineering.

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. Home School students must demonstrate competency through competency testing.

All students entering UF are required to possess a personal computer. Check this UF website (http://www.circa.ufl.edu/computer.htm) for a link to specific computer hardware and software configurations for this major.

FRESHMAN YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101[1]	English Composition I	3	ENC 1102[1]	English Composition II	3
CHM 1045 & 1045L[2]	General Chemistry I with Lab	4	CHM 1046 & 1046L[3]	General Chemistry II with Lab	4
MAC 1140 & 1114	Precalculus Algebra & Trigonometry	6	MAC 1311[2]	Calculus and Analytic Geometry I	4
SLS 1401	Career and Life Planning	1	XXX XXXX[1]	HUMANITIES CORE	3
SLS 1101	Orientation	1	XXX XXXX [1,4,5]	SOCIAL SCIENCE CORE	3
TOTAL		**15**	**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 2312[2]	Calculus and Analytic Geometry II	4	MAC 2313[2]	Calculus and Analytic Geometry III	4
PHY 2048C & 2048L[2]	Gen Physics I with Calculus & Lab	5	PHY 2049C & 2049L[2]	Gen Physics II with Calculus & Lab	5
XXX XXXX [1,4,5]	SOCIAL SCIENCE	3	MAP 2302[2]	Differential Equations	3
TOTAL		**15**	**TOTAL**		**15**

[1] See the General Education Requirements in the Current Chipola College Catalog. **Agricultural & Biological Engineering is the only engineering major that will accept ENC 2210 for UF's ENC 3254.**

[2] UF critical tracking courses for all engineering majors.

[3] Aerospace engineering, civil engineering, computer engineering, computer science, digital arts and sciences, electrical engineering, industrial and systems engineering, mechanical engineering, and nuclear engineering either do not require CHM2046/2096 or may substitute another course

[4] Industrial & Systems Engineering students must choose ECO 2013 and ECO 2023.

[5] **All first-time–in-college students (Fall 2018 and beyond) are required to demonstrate competency in civic literacy through one of the following options:** 1) successfully passing either POS 2041 American Federal Government or AMH 2020 American History Since 1865, or 2) achieving the standard score on AP Government and Politics: United States, AP United States History or CLEP: American Government.

Engineering Programs	CHM 1045/L	CHM 1046/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 1046
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 1046
Computer Science	X		X	X	X	X	X	X	
Digital Arts & Sciences	X		X	X	X	X	X	X	ARH 2051*
Electrical	X		X	X	X	X	X	X	BSC 2010, BSC 2011, or CHM 1046
Environmental	X	X	X	X	X	X	X	X	
Industrial & Systems	X		X	X	X	X	X	X	COP 2271*, 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	COP 2271*, BSC 2010 or CHM 1046
Nuclear	X		X	X	X	X	X	X	BSC 2010 or CHM 1046, COP 2271*
Nuclear & Radiological Sciences	X	X	X	X	X	X	X	X	BSC 2010/L, BSC 2011/L, CHM 2210/L, CHM 2211/L

*Not offered at Chipola