

This Associate in Arts degree program is designed for students who expect to transfer and earn a degree in Chemical, Civil, Electrical, Industrial, Mechanical, Environmental, or Computer Engineering at Florida State University.

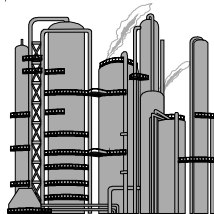
For additional program information, visit the [FSU website](#).

Possible employment areas for chemical engineer include chemical, environmental, biomedical, biochemical design, food, polymer, project, process, research, & materials engineer; civil engineer includes structural, transportation & pipeline, environmental, highway, water resource, construction, & geotechnical engineer; electrical engineer includes electrical, computer, analog circuit design, applications, product development systems, and digital circuit design engineer; industrial engineer includes industrial, manufacturing, production, systems, applications, and systems analyst engineer; mechanical engineer includes electrical, gas turbine, nuclear, solar, environment & transportation, aerospace, solid waste, offshore & arctic, plant, textiles, computer engineering.

For more information please visit [The Occupational Outlook Handbook website](#).

*The courses listed on this guide are not to be construed as a contract between the student and Chipola or the University. Course requirements may change each year. You are encouraged to work closely with your advisor.*

## Associate in Arts Degree



## Engineering

Transfer Institution: Florida State University

Code  
1080

Program Length  
60 credits

### Entrance Requirements

All areas require a minimum overall GPA of 2.5 for admissions. In addition, students must achieve an average GPA of 2.5 or higher in MAC 1311 and 2312, CHM 1045 (and CHM 1046 if chemical engineering) and PHY 2048C or students will be ineligible for any 2000 level or higher engineering course for which any of these courses are prerequisites. A single repeated attempt in only one of these courses is permitted. Generally, engineering majors must earn a grade of "C" or higher in all prerequisite and engineering courses which apply toward the degree, including those, which are transferred. Contact the department for further details.

FSU WILL DENY ADMISSION TO ANY STUDENT WHO HAS NOT SATISFIED THE STATE FOREIGN LANGUAGE ADMISSIONS REQUIREMENT.

FSU requires competency in oral communications for graduation. If students took a speech course in high school or were members of a debate team, they may exempt this requirement during the FSU admissions process. If not, students should take SPC 2600 at Chipola to satisfy this requirement.

### FRESHMAN YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101	Communication Skills I	4	ENC 1102	Communication Skills II	4
CHM 1045 & 1045L	General Chemistry I with Lab	4	CHM 1046 & 1046L <sup>2</sup>	General Chemistry II with Lab	4
MAC 1140 & 1114	Precalculus Algebra & Trigonometry	6	MAC 1311	Calculus and Analytic Geometry I	4
XXX XXXX <sup>1</sup>	SOCIAL SCIENCE	3	AMH 2010 or 2020	American History	3
SLS 1101 & SLS 1106	Orientation & FYLE (01/2009)	2	or WOH 2012 or 2022	or World History I or II	
TOTAL		19	TOTAL		15

### SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX <sup>4</sup>	GORDON RULE WRITING	4	XXX XXXX <sup>3</sup>	HUMANITIES	3
MAC 2312	Calculus and Analytic Geometry II	4	MAC 2313	Calculus and Analytic Geometry III	4
PHY 2048C & 2048L	General Physics I with Calculus & Lab	5	PHY 2049C & 2049L	General Physics II with Calculus & Lab	5
XXX XXXX	HUMANITIES or SOCIAL SCIENCE	3	MAP 2302	Differential Equations	3
TOTAL		16	TOTAL		15

<sup>1</sup> FSU requires an international/diversity course for graduation. The Chipola courses which meet a social science requirement at Chipola and a diversity requirement at FSU include ASH 1044, GEA 2001, GEA 2002, REL 2300, and SYG 1010. It is strongly recommended that one of these courses be completed before earning the AA degree.

<sup>2</sup> This course is required for chemical engineering majors only, but is strongly recommended for all others. Check specific major on FSU website.

<sup>3</sup> Choose from AML 2010/2020, ENL 2012/2022, HUM 2210/2216/2230/2233, ARH 1000, MUL 2010, THE 1020, or SPT 2521. Do not choose any ART course, MUE 1290, or music theory.

<sup>4</sup> Choose 4 hours from the following: AML 2010, AML 2020, ENL 2012, ENL 2022, ENC 1133, HUM 2216, HUM 2233, or SPT 2521.

# 2008-2009

For more information  
Contact:

Student Services  
Chipola College  
(850) 718-2266

