

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.

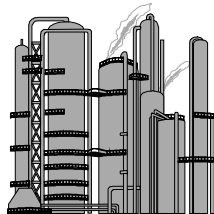
For additional program information, [visit the FSU website](#).

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

Check program specific requirements for GPA and repeated courses.

FSU WILL DENY ADMISSION TO ANY STUDENT WHO HAS NOT SATISFIED THE STATE FOREIGN LANGUAGE 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. If not, students should take SPC 2600 at Chipola to satisfy this requirement.

FSU requires basic [computer proficiency](#). Students must demonstrate email, Internet, word processing, & spreadsheet skills; demonstrations are monitored by the FSU Computer Science department. CGS 1060, CGS 1100, or EME 2040 will 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> or ELECTIVE <sup>1,3</sup>	General Chemistry II with Lab 4	4
MAC 1140 & 1114	Precalculus Algebra & Trigonometry	6	MAC 1311	Calculus and analytic Geometry I	5
XXX XXXX <sup>1</sup>	SOCIAL SCIENCE	3	XXX XXXX <sup>1</sup>	SOCIAL SCIENCE	3
SLS 1101	Orientation	1			
TOTAL		18	TOTAL		16

### SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
HUM 2216 or 2233	Humanities w/ Writing	4	XXX XXXX	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	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 both a social science and a diversity requirement include GEA 2001, GEA 2002, REL 2300, SYG 1010, WOH 2012, and WOH 2022. 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.

<sup>3</sup> COP 2000 suggested.

# 2003-2004

For more information  
Contact:

Student Services  
Chipola College  
(850) 718-2266

