

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.

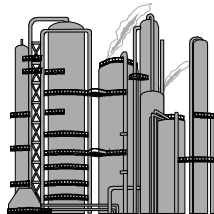
For additional program information, visit the [FSU website](#).

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 CJC 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 or EME 2040 will satisfy this requirement.

FRESHMAN YEAR

| 1st Semester | Sem. Hrs. | 2nd Semester | Sem. Hrs. |
|-----------------------|------------------------------------|--|----------------------------------|
| ENC 1101 | Communication Skills I | ENC 1102 | Communication Skills II |
| CHM 1045 & 1045L | General Chemistry I with Lab | CHM 1046 & 1046L ² or ELECTIVE ^{1,3} | General Chemistry II with Lab 4 |
| MAC 1140 & 1114 | Precalculus Algebra & Trigonometry | MAC 1311 | Calculus and analytic Geometry I |
| XXX XXXX ¹ | SOCIAL SCIENCE | XXX XXXX ¹ | SOCIAL SCIENCE |
| SLS 1101 | Orientation | | |
| TOTAL | 18 | TOTAL | 16 |

SOPHOMORE YEAR

| 1st Semester | Sem. Hrs. | 2nd Semester | Sem. Hrs. |
|-------------------|---------------------------------------|-------------------|--|
| HUM 2216 or 2233 | Humanities w/ Writing | XXX XXXX | HUMANITIES |
| MAC 2312 | Calculus and Analytic Geometry II | MAC 2313 | Calculus and Analytic Geometry III |
| PHY 2048C & 2048L | General Physics I with Calculus & Lab | PHY 2049C & 2049L | General Physics II with Calculus & Lab |
| XXX XXXX | HUMANITIES | MAP 2302 | Differential Equations |
| Total | 16 | Total | 15 |

¹ FSU requires an international/diversity course for graduation. The CJC 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.

² This course is required for chemical engineering majors only.

³ COP 2000 suggested.

2002-2003

For more information
Contact:

Student Services
Chipola Junior College
(850) 718-2266

