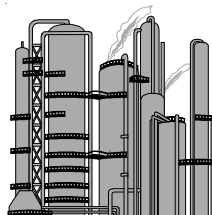


This Associate in Arts degree program is designed for students who expect to transfer and earn a degree in Chemical, Civil, Electrical, Industrial, or Mechanical Engineering at Florida A & M University.



## Associate in Arts Degree

### Engineering

**Transfer Institution: Florida A & M University**

**Code**  
1080

**Program Length**  
60 credits

# 2005-2006

For more information  
Contact:

**Student Services**  
**Chipola College**  
**(850) 718-2266**



For additional program information, [visit the FAMU 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 and with FAMU.*

### Entrance Requirements

If a student has completed two years of high school credit in the same foreign language, he/she meets the admission requirement for state universities in Florida. If not, the student should complete two semesters of the same foreign language at Chipola before transfer to the university.

Check with FAMU for specific GPA requirements and application deadlines.

### 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>1</sup> or XXX XXXX	General Chem II with Lab or ELECTIVE	3-4
MAC 1140 & 1114	Precalculus Alg. & Trigonometry	6	MAC 1311	Calculus and Analytic Geometry I	5
SLS 1101	Orientation	1	XXX XXXX	SOCIAL SCIENCE	3
TOTAL		15	TOTAL		15-16

### SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX	HUMANITIES [Gordon Rule Course(s)]	4	XXX XXXX	HUMANITIES	3
MAC 2312	Calculus and Analytic Geometry II	4	XXX XXXX	SOCIAL SCIENCE	3
PHY 2048C & 2048L	General Physics I with Calculus	5	MAC 2313	Calculus and Analytic Geometry III	4
AMH 2091 or 2092	African-American History I or II	3	PHY 2049C & 2049L	General Physics II with Calculus	5
TOTAL		16	MAP 2302	Differential Equations	3
TOTAL		16	TOTAL		18

<sup>1</sup> This course is required for chemical engineering majors only.