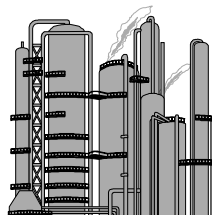


This Associate of Arts degree program is designed for students who expect to transfer and earn a degree in Chemical, Civil, Electrical, Industrial, or Mechanical Engineering at Florida A & M University.



Associate of Arts Degree

Engineering

Transfer Institution: Florida A & M University

Code
1080

Program Length
60 credits

2001-2002

For more information
Contact:

Student Services
Chipola Junior 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.

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.

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 ¹ or ELECTIVE	General Chem II with Lab	4
HUMANITIES		3	MAC 1311	Calculus and Analytic Geometry I	5
MAC 1140 & 1114	Precalculus Alg. & Trigonometry	6	SOCIAL SCIENCE		3
SLS 1101	Orientation	1			
TOTAL		18	TOTAL		16

SOPHOMORE YEAR

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

¹ This course is required for chemical engineering majors only.

² This course is required for graduation from FAMU.