

### **Academic Pathway to:**

# **Engineering: FSU**

Associate in Arts Code: 1080 Length: 60 credits For more information contact: Student Services advising@chipola.edu

850-718-2266

#### FRESHMAN YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101	English Composition I	3	ENC 1102	English Composition II	3
CHM 1045 & 1045L4	General Chemistry I with Lab	4	CHM 1046 & 1046L3	General Chemistry II with Lab	4
MAC 1140	Precalculus Algebra	3	MAC 13114	Calculus and Analytic Geometry I	4
MAC 1114	Trigonometry	3	XXX XXXX <sup>1, 5</sup>	SOCIAL SCIENCE CORE	3
SLS 1101 & 1401	Orientation & Career and Life Planning	<b>j</b> 2	XXX XXXX <sup>1</sup>	HUMANITIES CORE	3
TOTAL		15	TOTAL		17

#### SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX1	GORDON RULE WRITING	3	XXX XXXX <sup>1</sup>	GORDON RULE WRITING	3
MAC 23124	Calculus and Analytic Geometry II	4	MAC 23134	Calculus and Analytic Geometry III	4
PHY 2048C & 2048L4	General Physics I with Calculus & Lab	5	PHY 2049C & 2049L4	General Physics II with Calculus & Lab	5
XXX XXXX1, 2, 5	SOCIAL SCIENCE	3	MAP 23024	Differential Equations	3
TOTAL		14	TOTAL		16

- See General Education Requirements in the current Chipola College Catalog.
- FSU requires 6 hrs. of international/diversity courses. If you complete an AA degree before transferring, FSU only requires 3 hrs. of international/diversity coursework. Chipola courses that meet this requirement include AMH 2091/2093, ASH 1044, GEA 2001/2002, REL 2300, SYG 1010, and THE 1000.
- This course is required for chemical, biomedical engineering majors. Environmental engineering may take CHM 1046 with Lab or MCB 2010 with lab.
- Students must complete these prerequisite courses for admission in preparation for the upper division major: MAC 1311, MAC 2312, MAC 2313, MAP 2302, CHM 1045/L, PHY 2048C/L, and PHY 2049C/L.
- Students enrolled in AA, AS, or BS degree programs must complete the State of Florida's Civic Literacy requirement as outlined in section 1007.25(4), Florida Statutes (F.S.). See catalog or contact an Academic Advisor for more information.

All first time in college (Fall 2014 and beyond) students are required to successfully complete two years of the same foreign language in high school or two semesters of the same foreign language at the college level before the associate degree is awarded.

**FSU Oral Communication Competency Requirement:** Students must demonstrate the ability to orally transmit ideas and information clearly. This requirement may be met with an approved college-level course which may be taken at Chipola or at FSU. Contact an Academic Advisor for more information.

## See page 2 from major specific courses.

While academic advisors, faculty and staff provide significant academic planning and related assistance to students, completion of all degree requirements, and the process of monitoring progress to that end, is ultimately the responsibility of the student.

Engineering Programs	BSC 2010	STA 2023	CHM 1045/L	CHM 1046/L	MAC 1311	MAC 2312	MAC 2313	MAP 2302	PHY 2048/L	PHY 2049/L	Other Required Courses
<u>Chemical</u>	х		х	Х	Х	x	X	X	х	х	EGN 1004L <sup>1</sup> , CHM 2210/L, CHM 2211/L
Chemical-Biomedical	Х		Х	Х	Х	Х	Х	Х	Х	Х	EGN 1004L <sup>1</sup> , CHM 2210/L, CHM 2211/L
<u>Civil</u>	Х	х	х		X	X	X	X	х	Х	EGN 1004L <sup>1</sup>
<u>Computer</u>			Х		X	Х	Х	Х	Х	Х	EGN 1004L <sup>1</sup> , COP 3014 <sup>2</sup>
Electrical			х		X	х	Х	х	Х	Х	EGN 1004L <sup>1</sup> , COP 3014 <sup>2</sup>
<u>Environmental</u>	Х	х	х	X³	Х	Х	Х	Х	Х	Х	EGN 1004L <sup>1</sup>
Industrial			х		Х	Х	Х	Х	Х	Х	EGN 1004L <sup>1</sup>
<u>Mechanical</u>			х		Х	X	Х	X	х	Х	EGN 1004L <sup>1</sup>

<sup>&</sup>lt;sup>1</sup> EGN 1004L is not offered at Chipola, should be taken at FSU.

<sup>&</sup>lt;sup>2</sup> COP 3014 is not offered at Chipola, can be taken at FSU.

<sup>&</sup>lt;sup>3</sup> Environmental Engineering majors may take CHM 1046 with lab or MCB 2010 with lab.