

Academic Pathway to:  
**Engineering: FAMU**

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 & 1045L	General Chemistry I with Lab	4	CHM 1046 & 1046L <sup>2</sup>	General Chemistry II with Lab	3-4
MAC 1140	Precalculus Algebra	3	or XXX XXXX	or ELECTIVE	
MAC 1114	Plane Trigonometry	3	MAC 1311 <sup>6</sup>	Calculus and Analytic Geometry I	4
SLS 1101	Orientation	1	XXX XXXX <sup>1,3,4</sup>	SOCIAL SCIENCE CORE	3
SLS 1401	Career and Life Planning	1	XXX XXXX <sup>1</sup>	HUMANITIES CORE	3
<b>TOTAL</b>		<b>15</b>	<b>TOTAL</b>		<b>16-17</b>

**SOPHOMORE YEAR**

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX <sup>1</sup>	GORDON RULE WRITING	3	XXX XXXX <sup>1</sup>	GORDON RULE WRITING	3
MAC 2312 <sup>6</sup>	Calculus and Analytic Geometry II	4	MAC 2313	Calculus and Analytic Geometry III	4
PHY 2048C & 2048L <sup>6</sup>	General Physics I with Calculus	5	PHY 2049C & 2049L	General Physics II with Calculus	5
XXX XXXX <sup>4</sup>	SOCIAL SCIENCE	3	MAP 2302	Differential Equations	3
SPN 1120 <sup>3,4,5</sup>	Elementary Spanish I	3-4	SPN 1121 <sup>3,4,5</sup>	Elementary Spanish II	3-4
or XXX XXXX	or ELECTIVE		or XXX XXXX	or ELECTIVE	
<b>TOTAL</b>		<b>15-16</b>	<b>TOTAL</b>		<b>15-16</b>

<sup>1</sup> See General Education Requirements in the Current Chipola College Catalog.

<sup>2</sup> This course is required for chemical engineering majors only.

<sup>3</sup> **Chemical Engineering** requires CHM 1046, CHM 2210, CHM 2211, BSC 2010.

**Biomedical Engineering** requires CHM 1046, CHM 2210, CHM 2211, BSC 2010, and PSY 2012.

Check with FAMU for specific GPA requirements and application deadlines.

<sup>4</sup> **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.**

<sup>5</sup> If student has taken 2 credits of Foreign Language in high school then choose elective.

<sup>6</sup> Must be completed with a "C" or higher on first attempt.

*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.*