

# General Studies AS - Pre-Engineering Concentration

Students planning to pursue transfer to a four-year university should complete a STARS guide and AREA V program of study to an Alabama university (or contact the transfer institution if out of state for transferability guidance) to ensure transfer readiness and satisfaction of course and program requirements. Talk with your Calhoun adviser and complete an official STARS guide to guarantee your program of study for transfer is correct.

For more information, please contact Rodney Alford at [rodney.alford@calhoun.edu](mailto:rodney.alford@calhoun.edu) or Ernest Williams at [ernest.williams@calhoun.edu](mailto:ernest.williams@calhoun.edu).

**Program:** General Studies1

**Program Code:** AS-GENED-GEGR

**Type:** A.S.

## GENERAL EDUCATION CORE REQUIREMENTS

Item #	Title	Credits
ORI 110	Freshman Seminar	1
ENG 101	English Composition I	3
ENG 102	English Composition II	3
	Literature Electives (3 credits)	3
	Fine Arts Elective	3
	Humanities Elective (3 credits)	3
PHY 213	General Physics with Calculus I	4
PHY 214	General Physics with Calculus II	4
MTH 125	Calculus I	4
	History Elective (3 credits)	3
	History/Social/Behavioral Science Electives (6 credits)	6
	<b>Sub-Total Credits</b>	<b>37</b>

## CONCENTRATION REQUIREMENTS

Item #	Title	Credits
MTH 126	Calculus II	4
MTH 227	Calculus III	4
CHM 111	College Chemistry I	4
MTH 238	Applied Differential Equations I	3
	General Electives (10 credits)	10
	<b>Sub-Total Credits</b>	<b>25</b>
	Total credits:	62

### Literature Electives (3 credits)

3

Choose from the following courses.

Students must complete a two-course sequence in either Literature or History.

Many programs have specific requirements or recommendations for general education (elective) courses. Please see your advisor to help you meet the requirements for your program.

## ENG 251

American Literature I

3

## ENG 252

American Literature II

3

## ENG 261

English Literature I

3

## ENG 262

English Literature II

3

## ENG 271

World Literature I

3

## ENG 272

World Literature II

3

3

Off

## Fine Arts Elective

3

Choose 1 of the following courses.

Many programs have specific requirements or recommendations for general education (elective) courses. Please see your advisor to help you meet the requirements for your program.

## ART 100

Art Appreciation

3

## ART 203

Art History I

3

## ART 204

Art History II

3

## MUS 101

Music Appreciation

## Music Degrees

- Music Technology, A.A.S.

3

## THR 120

Theatre Appreciation

3

3

Off

## Humanities Elective (3 credits)

3

Choose from the following courses.

Many programs have specific requirements or recommendations for general education (elective) courses. Please see your advisor to help you meet the requirements for your program.

## FRN 101

Introductory French I

4

## FRN 102

Introductory French II

4

## PHL 106

Introduction to Philosophy

3

## PHL 206

Ethics and Society

3

## REL 100

History of World Religions

3

## REL 151

Survey of the Old Testament

3

## REL 152

Survey of the New Testament

3

## SPA 101

Introductory Spanish I

4

## SPA 102

Introductory Spanish II

4

## SPH 106

Fundamentals of Oral Communication

3

## SPH 107

Fundamentals of Public Speaking

3

3

Off

## History Elective (3 credits)

3

Students must complete a two-course sequence in either Literature or History.

Many programs have specific requirements or recommendations for general education (elective) courses. Please see your advisor to help you meet the requirements for your program.

## HIS 121

World History I

3

## HIS 122

World History II

3

## HIS 201

United States History I

3

## HIS 202

United States History II

3

3

Off

## History/Social/Behavioral Science Electives (6 credits)

6

Choose 2 of the following courses.

Many programs have specific requirements or recommendations for general education (elective) courses. Please see your advisor to help you meet the requirements for your program.

## ANT 200

Introduction to Anthropology

3

## ECO 231

Principles of Macroeconomics

3

## ECO 232

Principles of Microeconomics

3

## GEO 100

World Regional Geography

3

## POL 200

Introduction to Political Science

3

**POL 211**

American National Government

3

**PSY 200**

General Psychology

3

**PSY 210**

Human Growth and Development

3

**SOC 200**

Introduction to Sociology

3

6

Off

**General Electives (10 credits)**

10

Off