

# General Studies AS - Biology 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. Some four-year institutions require two semesters of Physics rather than Organic Chemistry as part of the degree program. 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 Dr. Divya Pradhan at [divya.pradhan@calhoun.edu](mailto:divya.pradhan@calhoun.edu).

## NOTES:

\*MTH 112 or higher: MTH 113 is required as the prerequisite to MTH 215 Calculus I.

\*\*Select CHM 221/222 or PHY 213/214 based on your transfer institution degree plan.

**Program:** General Studies1

**Program Code:** AS-GENED-GBIO

**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 (3-6 credits)	3 - 6
	Fine Arts Elective	3
	Humanities Elective (3-6 credits)	3 - 6
BIO 103	Principles of Biology I	4
BIO 104	Principles of Biology II	4
	MTH 112 or higher	3
	History Electives (3-6 credits)	3 - 6
	Social/Behavioral Science Electives (6-9 credits)	6 - 9
	<b>Sub-Total Credits</b>	<b>42</b>

## CONCENTRATION REQUIREMENTS

Item #	Title	Credits
CHM 111	College Chemistry I	4
CHM 112	College Chemistry II	4
CHM 221	Organic Chemistry I	4
CHM 222	Organic Chemistry II	4
PHY 213	General Physics with Calculus I	4
PHY 214	General Physics with Calculus II	4

MTH 125	Calculus I	4
CIS 146	Microcomputer Applications	3
<b>Sub-Total Credits</b>		<b>23</b>
Total credits:		65

## Literature Electives (3-6 credits)

3  
6

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  
6  
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 (3-6 credits)

3

6

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

6

Off

## MTH 112 or higher

3

## MTH 112

Precalculus Algebra

3

Off

## History Electives (3-6 credits)

3

6

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

Off

## Social/Behavioral Science Electives (6-9 credits)

6

9

Off