

## Biology Emphasis of Study

Associate of Science - 60 Credit Hours

This map provides a guide to completing a certificate program or an associate degree. Completion is subject to pre-requisite requirements and availability of the program/courses by location.

TERM 1		CREDITS	MILESTONE	SGE	COMPLETED
<b>CHEM 1806</b>	College Chemistry I*	5	✓	040	
	Math & Statistics Requirement*	3		030	
	Arts & Humanities Requirement	3		060	
	Barton Designated Requirement	1		070	
	Suggested Emphasis Elective	3			
TOTAL CREDITS		15			

TERM 2		CREDITS	MILESTONE	SGE	COMPLETED
ENGL 1204 or ENGL 1209	English Composition I* or English Composition I with Review*	3		010	
CHEM 1806	College Chemistry II*	5			
	Social & Behavioral Sciences Requirement	3		050	
	Barton Designated Requirement	3		070	
TOTAL CREDITS		14			



**Milestone Courses** should be taken in the term shown. This will help you stay on track and graduate on time.



#### Make your summer matter.

Summer is a great time to take some courses and get ahead or stay on track.



# Systemwide General Education (SGE) Key

sge.bartonccc.edu				
070	Barton Designated	6 hours		
060	Arts & Humanities	6 hours		
050	Social & Behavioral Sciences	6 hours		
040	Natural & Physical Science	4-5 hours		
030	Math & Statistics	3 hours		
020	Communications	3 hours		
010	English	6 hours		

### **General Advising Notes**

- \* Subject to placement or pre-requisite requirements.
- To meet the criteria for the Social & Behavioral Sciences area, there must be at least two courses from two different subject areas. The subject areas include ANTH, ECON, GEOG, POLS, PSYC, and SOCI.
- To meet the criteria for the Arts & Humanities area, there must be at least two courses from two different subject areas. The subject areas include ARTS, COMM, DANC, ENGL, HIST, LITR, LANG, MUSI, PHIL, RELI, and THEA.

Student Name

ID#



## **Chemistry Emphasis of Study**

Associate of Science - 60 Credit Hours

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TERM 3		CREDITS	MILESTONE	SGE	COMPLETED
CHEM 1814	Organic Chemistry I*	5			
ENGL 1206	English Composition II*	3		010	
	Social & Behavioral Sciences Requirement	3		050	
	Barton Designated Requirement	1		070	
	Suggested Emphasis Elective	4			
TOTAL CREDITS		16			

TERM 4		CREDITS	MILESTONE	SGE	COMPLETED
CHEM 1816	Organic Chemistry II*	5			
	Communications Requirement	3		020	
	Arts & Humanities Requirement	3		060	
	Barton Designated Requirement	1		070	
	Suggested Emphasis Elective	3			
TOTAL CREDITS		15			

### **Suggested Emphasis Electives**

- AGRI 1100 Agriculture in Our Society (3)
- CHEM 1802 Fundamentals of General Chemistry (5)\*
- LIFE 1402 Principles of Biology (5)
- LIFE 1406 Principles of Botany (5)\*
- LIFE 1407 Anatomy and Physiology I (4)
- LIFE 1408 Anatomy and Physiology (5)
- LIFE 1409 Anatomy and Physiology II (4)\*
- LIFE 1410 Principles of Zoology (5)\*
- LIFE 1412 Principles of Microbiology (5)
- LIFE 1422 Pathophysiology (4)\*
- MATH 1830 Trigonometry (3)\*
- MATH 1832 Calculus I (5)\*
- MATH 1834 Calculus II (5)\*
- MATH 1836 Calculus III (3)\*
- PHSC 1402 Intro to Geology (3)
- PHYS 1600 Physics I (5)\* PHYS 1602 Physics II (5)\*

- PRGM 1033 Web Programming (3) PRGM 1037 Computer Science I (4)\*

• PSYC 1130 Death and Dying (3)

• PHYS 1604 Engineering Physics I (5)\*

PHYS 1606 Engineering Physics II (5)\*

- PRGM 1038 Computer Science II (3)\*
- PRGM 1039 Object Oriented Java Programming (3)\*

• PRGM 1007 Foundations of Computer Science (3)

See full list of courses in courses.bartonccc.edu

### **Advising Notes**

- \* Subject to pre-requisite requirements prereq.bartonccc.edu
- · Some courses in the Suggested Emphasis Electives are only offered in certain terms (fall or spring or summer). Make sure to plan ahead and not miss a important milestone.
- Recommend a PHED activity or performance course for the Barton Designated Require-
- Recommend EDUC 1103 for the Barton Designated Requirement.
- Recommend a performance course in the arts for the Barton Designated Requirement.

**Student Name** ID#