

## Science, Technology, Engineering, and Mathematics (STEM) Emphasis of Study

Associate in 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
MATH 1828	College Algebra*	3		030	
	Natural & Physical Science Requirement*	5		040	
	Arts & Humanities Requirement	3		060	
	Barton Designated Requirement	1		070	
	Barton Designated Requirement	3		070	
TOTAL CREDITS		15			

TERM 2		CREDITS	MILESTONE	SGE	COMPLETED
ENGL 1204	English Composition I*	3		010	
	Social & Behavioral Sciences Requirement	3		050	
	Suggested Emphasis Elective	3			
	Suggested Emphasis Elective	3			
	Suggested Emphasis Elective	3			
TOTAL CREDITS		15			



**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.



Join STEM Club! Email: STEM@Bartonccc.edu

# 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.
- Recommend EDUC 1103 for the Barton Designated Requirement.

Student Name

ID#



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TERM 3		CREDITS	MILESTONE	SGE	COMPLETED
ENGL 1206	English Composition II*	3		010	
	Social & Behavioral Sciences Requirement	3		050	
	Barton Designated Requirement	1		070	
	Suggested Emphasis Elective	5			
	Suggested Emphasis Elective	3			
TOTAL CREDITS		15			

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

### **Suggested Emphasis Electives**

- AGRI 1100 Agriculture in Our Society (3)
- CHEM 1802 Fundamentals of General Chemistry (5)\*
- CHEM 1806 College Chemistry I (5)\*
- CHEM 1808 College Chemistry II (5)\*
- CHEM 1814 Organic Chemistry I (5)\*
- CHEM 1816 Organic Chemistry II (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)\*
- PHYS 1604 Engineering Physics I (5)\*
- PHYS 1606 Engineering Physics II (5)\*

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 CHEM, LIFE, PHSC, or PHYS course for the Natural & Physical Science Requirement from the suggested emphsis electives.
- Recommend a performance course in the arts for the Barton Designated Requirement.
- Recommend a PHED activity or a performance course for the Barton Designated Requirement.

Student Name \_\_\_\_\_ ID#