

Science, Technology, Engineering, and Mathematics (STEM) Education 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
EDUC 1128	Foundations of Modern Education	3			
MATH 1828	College Algebra*	3		030	
	Natural & Physical Science Requirement*	5		040	
	Barton Designated Requirement	3		070	
	Suggested Emphasis Elective	2			
TOTAL CREDITS		15			

TERM 2		CREDITS	MILESTONE	SGE	COMPLETED
ENGL 1204	English Composition I*	3		010	
	Social & Behavioral Sciences Requirement	3		050	
	Arts & Humanities Requirement	3		060	
	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

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

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#



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TERM 3		CREDITS	MILESTONE	SGE	COMPLETED
ENGL 1206	English Composition II*	3		010	
EDUC 1142	Introduction to Instructional Technology	3		070	
PSYC 1014	Developmental Psychology	3		050	
	Suggested Emphasis Elective	3			
	Suggested Emphasis Elective	3			
TOTAL CREDITS		15			

TERM 4		CREDITS	MILESTONE	SGE	COMPLETED
	Communications Requirement	3		020	
	Arts & Humanities Requirement	3		060	
	Suggested Emphasis Elective	3			
	Suggested Emphasis Elective	3			
	Elective	2			
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)*
- EDUC 1134 Educational Field Experience (2)
- EDUC 1135 Educating the Exceptional Child (3)
- 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 1836 Calculus III (3)*

PHYS 1600 Physics I (5)*

PHYS 1602 Physics II (5)*

MATH 1834 Calculus II (5)*

• PHSC 1402 Intro to Geology (3)

• 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.
- · For the Social & Behavioral Sciences Requirement take a course other than a PSYC course.
- Recommend EDUC 1103 for the Barton Designated Requirement.

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