

Mathematics 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 1830	Trigonometry*	3	✓	030	
	Natural & Physical Science Requirement*	5		040	
	Arts & Humanities Requirement	3		060	
	Barton Designated Requirement	3		070	
	Barton Designated Requirement	3			
TOTAL CREDITS		17			

TERM 2		CREDITS	MILESTONE	SGE	COMPLETED
ENGL 1204	English Composition I*	3		010	
MATH 1832	Analytic Geometry - Calculus I*	5		030	
	Social & Behavioral Sciences Requirement	3		050	
	Suggested Emphasis Elective	3			
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.



Enhance your academic experience. Join Barton's STEM Club or consider becoming a Peer Tutor. 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.
- An appropriate placement score or the completion of College Algebra (MATH 1826/1828) is required prior to Term 1 of this Degree Map.

Student Name

ID#

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TERM 3		CREDITS	MILESTONE	SGE	COMPLETED
ENGL 1206	English Composition II*	3		010	
MATH 1834	Analytic Geometry - Calculus II*	5			
	Social & Behavioral Sciences Requirement	3		050	
	Barton Designated Requirement	3		070	
TOTAL CREDITS		14			

TERM 4		CREDITS	MILESTONE	SGE	COMPLETED
MATH 1836	Analytic Geometry - Calculus III* **	3			
	Communications Requirement	3		020	
	Arts & Humanities Requirement	3		060	
	Suggested Emphasis Elective	3			
	Suggested Emphasis Elective	3			
TOTAL CREDITS		15			

Suggested Emphasis Electives

- 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)
- 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)*
- PRGM 1007 Foundations of Computer Science (3)

- PRGM 1033 Web Programming (3)
- PRGM 1037 Computer Science I (4)*
- PRGM 1038 Computer Science II (3)*
- PRGM 1039 Object Oriented Java Programming (3)*
- STAT 1827 Elements of Statistics Lab (0-1)*
- STAT 1829 Elements of Statistics (3)*
- STAT 1840 Business and Economic Statistics I (3)*
- STAT 1845 Business and Economic Statistics II (3)*

See full list of courses in courses.bartonccc.edu

Advising Notes

- * Subject to pre-requisite requirements prereq.bartonccc.edu
- ** Many years the course is only offered in
- 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 EDUC 1103 for the Barton Designated Requirements.

Student Name _____ ID# ____