MATHEMATICS, BACHELOR OF ARTS (*PENDING CHE APPROVAL)

Code	Title	Hours
General Education Courses		
I. Communication		
English:		
Select two of the following:		
ENGL U101	Composition I	3
ENGL U102	Composition II	3
Speech:		
SPCH U201	Foundations in Oral Communication	3
II. Mathematics, Logic, & Natural Sciences		
Mathematics: [1]		
MATH U141	Calculus I	4
MATH U142	Calculus II	4
Natural Science (w/lab):		
ASTR U111 & U111L	Descriptive Astronomy and Descriptive Astronomy Laboratory	4
BIOL U101 & U101L	Introductory Biology I and Introductory Biology I Lab	4
BIOL U102 & U102L	Introductory Biology II and Introductory Biology II Lab	4
BIOL U110 & U110L	General Biology and General Biology Lab	4
BIOL U220 & U220L	Botany and Society and Botany and Society Laboratory	4
BIOL U244 & U244L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab	4
CHEM U106 & U106L	Chemistry and Society and Chemistry and Society Lab	4
CHEM U109 & U109L	Chemistry of Living Things and Chemistry of Living Things Lab	4
CHEM U111 & U111L	General Chemistry and General Chemistry Lab	4
CHEM U112 & U112L	General Chemistry and Qualitative Analysis and General Chemistry and Qualitative Analysis Lab	4
GEOL U101 & U101L	Physical Geology and Physical Geology Lab	4
GEOL U102 & U102L	Historical Geology and Historical Geology Lab	4
GEOL U103 & U103L	Environmental Geology and Environmental Geology Lab	4
PHYS U101 & U101L	Introduction to Physical Science and Introduction to Physical Science Laboratory	4
PHYS U201 & U201L	General Physics I and General Physics I Lab	4
PHYS U202 & U202L	General Physics II and General Physics II Lab	4
Math, Logic, and/or Natural Science:		3-4
Select any Natural Science course listed above or:		

BIOL U206	Genetics and Society	3
BIOL U240	Human Biology and Society	3
BIOL U260	Emerging Infectious Diseases	3
BIOL U270	Environmental Science	3
III. Information Technology		
Information Technology: [1]		
CSCI U138	Introduction to Computer Technology	3
or CSCI U150	Introduction to Computer Science	
IV. Fine Arts, Humanities, & History		
Choose one course from each of the following sections, with three disciiplines represented.		
Fine Arts:		
Select one of the following:		
AFAM U204	African American Culture	3
ARTH U101	Introduction to Art	3
ARTH U105	History of Western Art: Prehistory - Middle Ages	3
ARTH U105	History of Western Art: Prehistory - Middle Ages	3
ARTH U106	History of Western Art: Renaissance - Modern	3
MUSC U110	Introduction to Music	3
MUSC U140	History of American Popular Music	3
THEA U161	Introduction to Theatre Art	3
THEA U170	Fundamentals in Acting	3
History:		
Select one of the following:		
HIST U101	Introduction to World History I	3
HIST U102	Introduction to World History II	3
HIST U105	History of the United States to 1877	3
HIST U106	History of the United States from 1865	3
V. Foreign Language & Culture		
Foreign Language:		
Select one of the following: [2]		
ASLG U101	American Sign Language I	3
FREN U101	Introductory French I	3
GERM U101	Introductory German I	3
SPAN U101	Introductory Spanish I	3
VI. Social & Behavioral Sciences		
Social and Behavioral Science:		
Select one of the following:		
AFAM U201	Introduction to African American Studies	3
ANTH U102	Understanding Other Cultures	3
ECON U221	Principles of Macroeconomics	3
ECON U222	Principles of Microeconomics	3
GEOG U103	Introduction to Geography	3
POLI U101	American National Government	3
PSYC U101	Introduction to Psychology	3
SOCY U101	Introduction to Sociology	3
SPCH U210	Interpersonal Communication	3
WGST U101	Introduction to Women's & Gender Studies	3
VII. General Education Electives		
General Education Electives:		
Select any approved general education course or courses (https://academic-catalog.uscupstate.edu/academic-programs/general-education-courses/)		

Major Requirements [1]

Select one of the following concentrations:		
Mathematics Concentration		
MATH U315	Statistical Methods I	3
MATH U340	Mathematical Structures and Proof	3
MATH U344	Linear Algebra I	3
MATH U346	Modern Algebra I	3
MATH U354	Real Analysis I	3
MATH U599	Seminar in Mathematics	3
Additional requirements only for B.S. degree, mathematics concentration		
I. Select two of the following:		
MATH U544	Linear Algebra II	3
MATH U546	Modern Algebra II	3
MATH U552	Complex Variables	3
MATH U554	Real Analysis II	3
MATH U560	Numerical Analysis I	3
II. Select one 300-level or higher and two 400-level or higher mathematics, statistics or approved computer science courses: [3]		
MATH/STAT/CSCI		
MATH/STAT/CSCI		
MATH/STAT		
Statistics Concentration		
MATH U315	Statistical Methods I	3
MATH U344	Linear Algebra I	3
STAT U301	Statistical Computing	3
STAT U410	Introduction to Probability Theory	3
STAT U516	Statistical Methods II	3
STAT U599	Seminar in Statistics	3
Additional requirements only for B.S. degree, statistics concentration		
I. MATH U340		
II. STAT U413		
or STAT U512		
III. Select three approved 300-level or higher courses from math, statistics, or computer science:		
MATH/STAT/CSCI		
MATH/STAT/CSCI		
MATH/STAT/CSCI		
Supporting Courses [1]		
Select supporting courses option to align with concentration (Mathematics or Statistics)		12
Mathematics Concentration		
MATH U241	Calculus III	4
MATH U245	Elementary Differential Equations	3
MATH U174	Elements of Discrete Mathematics	3
or CSCI U200	Computer Science I	
CSCI U300	Computer Science II [4]	3
Statistics Concentration		
Select four approved 200-level or higher courses from MATH/STAT/CSCI/BADM/BIOL/CHEM/ECON/PSYC/SOCY		
Upper-Level Electives, Minor, and Other Electives		26
Upper-Level Electives or Minor [1, 5]		
Select 12-21 credits		

Electives	
Select 7-16 credits	
Total Hours	**120**

[1] A minimum grade of C is required in each course indicated.
[2] Students must complete all courses in this category even if they have earned an Associate's degree.
[3] The minimum acceptable level of competency is completion of the 101 level of a language. Students who place into the 102 or higher level of a language satisfy the language requirement but will have additional hours in general education electives, if hours are required by their degree program.
[4] At most two CSCI courses permitted here.
[5] Upper Level Electives include 200 level or higher MATH/STAT/CSCI/Natural and Physical Sciences courses and any course accepted by the University as meeting the requirements of a cognate. Upper Level Electives must be approved by the student's advisor in advance.