

# Mathematics

## Associate of Science to Bachelor of Arts

Effective beginning Academic Year 2019-20 (Last revised June 24, 2020)

GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36		Course Number	Credit Hours
ENGLISH COMPOSITION AND ORAL COMMUNICATION:			3
Course 1:	Any Ohio Transfer 36 approved First Writing (TME001) course	ENGL 1101	3
MATHEMATICS, STATISTICS, AND LOGIC:			5
Course 1:	Calculus I (TMM005) <sup>1</sup>	MATH 2221	5
ARTS AND HUMANITIES:			6
+ Course 1:	Any Ohio Transfer 36 approved Arts and Humanities course	AH Elective (see last page for list)	3
+ Course 2:	Any Ohio Transfer 36 approved Arts and Humanities course	AH Elective (see last page for list)	3
SOCIAL AND BEHAVIORAL SCIENCES:			6
+ Course 1:	Any Ohio Transfer 36 approved Social and Behavioral Sciences course	ECON/PSCI/HIST Elective (see last page for list)	3
+ Course 2:	Any Ohio Transfer 36 approved Social and Behavioral Sciences course	PSYC 1110 or SOC 1170	3
NATURAL SCIENCES:			8-10
Course 1:	Any Ohio Transfer 36 approved Natural Sciences course	NS Elective (see last page for list)	4-5
Course 2:	Any Ohio Transfer 36 approved Natural Sciences course with lab	NS Elective with lab (see last page for list)	4-5
ADDITIONAL CREDITS: <sup>2</sup>			11
Course 1:	Any Ohio Transfer 36 approved Second Writing (TME002) course	ENGL 1102	3
Course 2:	Calculus II (TMM006)	MATH 2222	5
Course 3:	Up to 3-4 additional hours of Ohio Transfer 36 approved courses	COMM 1115	3
<b>GENERAL EDUCATION/OHIO TRANSFER 36 TOTAL:</b>			<b>39-41</b>
<p>Advising Notes:            Where it indicates "Any Ohio Transfer 36 approved," students should work closely with their advisors.            (+) indicates that the courses chosen should be from two different areas within that category.  <sup>1</sup> A prerequisite, such as College Algebra (TMM001), may be needed for a student to reach Calculus I (TMM005).  <sup>2</sup> Due to the variability across institutions, students should work with their academic advisor to determine an appropriate program of study and appropriate amount of additional credits to satisfy the Ohio Transfer 36.</p>			

# Mathematics

## Associate of Science to Bachelor of Arts

Effective beginning Academic Year 2019-20 (Last revised June 24, 2020)

PRE-MAJOR/BEGINNING MAJOR		Course Number	Credit Hours
Course 1:	Calculus III (OMT018)	MATH 2223	4
Course 2:	Elementary Linear Algebra (OMT019)	MATH 2250	4
Course 3:	Elementary Differential Equations (OMT020)	MATH 2230	4
PRE-MAJOR/BEGINNING MAJOR TOTAL:			12

OTHER REQUIREMENTS		Course Number	Credit Hours
Electives:	General Electives as needed (May include FYE or Orientation course) <sup>1</sup>	Arts and Humanities Elective (see last page for list)	3
		Social and Behavioral Sciences Elective (see last page for list)	3
		MATH 2281	3
OTHER REQUIREMENTS TOTAL:			9

**Advising Notes:**

<sup>1</sup> Certain institutions may require two semesters or more of foreign language for Bachelor of Arts and Bachelor of Science degrees. If so, foreign language should be taken – check with your receiving institution. Additional recommended pre-major/major coursework may include a course in programming or proofs. Consult with your academic advisor and your receiving institution to determine an appropriate program of study.

ASSOCIATE DEGREE	Total Credit Hours
ASSOCIATE DEGREE TOTAL:	60-62

### SPECIAL NOTES

Students with plans of pursuing a pre-professional or graduate studies track in the future should work closely with their academic advisor and receiving institution starting in the first year of their program in order to adequately prepare themselves for those types of tracks. Some pre-professional degrees include pre-medicine, pre-veterinary, pre-law, and pre-dentistry.

Some bachelor-degree granting programs may be competitive and admission into the program is not guaranteed. Students should check with individual institutions for their program admission requirements.

Some bachelor-degree granting institutions require additional general education courses outside of the Ohio Transfer 36 and students may be required to take these courses in their junior or senior year. Students will still be able to follow this pathway and complete their bachelor's degree in approximately 60 additional credit hours.

For more information, please contact:

Student Success Center  
studentsuccess@sscc.edu  
(937) 393-3431 ext. 2825  
www.sscc.edu

# Mathematics

## Associate of Science to Bachelor of Arts

Effective beginning Academic Year 2019-20 (Last revised June 24, 2020)

### SAMPLE DEGREE MAP

#### FIRST YEAR

SEMESTER 1		SEMESTER 2	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
ENGL 1101 English Composition I	3	ENGL 1102 English Composition I	3
MATH 2221 Calculus I	5	MATH 2222 Calculus II	5
Ohio Transfer 36 Natural Science Elective	4-5	Ohio Transfer 36 Natural Science Elective with Lab	4-5
PSYC 1110 Principles of Psychology or SOCI 1170 Introduction to Sociology	3	Ohio Transfer 36 Arts and Humanities Elective	3
<b>Total Semester 1 Credit Hours</b>	<b>15-16</b>	<b>Total Semester 2 Credit Hours</b>	<b>15-16</b>

#### SECOND YEAR

SEMESTER 3		SEMESTER 4	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
MATH 2223 Calculus III	4	MATH 2250 Linear Algebra	4
MATH 2281 Introductory Statistics (Recommended)	3	MATH 2230 Differential Equations	4
Ohio Transfer 36 Arts and Humanities Elective	3	Arts and Humanities Elective	3
ECON/PSCI/HIST Ohio Transfer 36 Social and Behavioral Sciences Elective	3	Social and Behavioral Sciences Elective	3
COMM 1115 Fundamentals of Effective Speech	3		
<b>Total Semester 3 Credit Hours</b>	<b>16</b>	<b>Total Semester 4 Credit Hours</b>	<b>14</b>

# Mathematics

## Associate of Science to Bachelor of Arts

Effective beginning Academic Year 2019-20 (Last revised June 24, 2020)

### OHIO TRANSFER 36 ELECTIVES

Please work closely with your advisor when selecting courses.

ARTS AND HUMANITIES	Course Number	Credit Hours
Introduction to Literature	ENGL 2201	3
The Great American Novel	ENGL 2202	3
Women's Literature	ENGL 2207	3
Readings in Early British Literature	ENGL 2217	3
Readings in Later British Literature	ENGL 2218	3
American Literature to 1865	ENGL 2230	3
American Literature after 1865	ENGL 2235	3
Contemporary World Literature: The Novel (1945 to present)	ENGL 2236	3
Introduction to Film	ENGL 2240	3
Film History	ENGL 2241	3
Classical & World Mythology	ENGL 2246	3
Critical and Cultural Approaches to the Fairytale	ENGL 2247	3
Introduction to the Arts	FNAR 1104	3
History of Art I	FNAR 1111	3
History of Art II	FNAR 1112	3
Music Appreciation I	FNAR 1116	3
Music Appreciation II	FNAR 1117	3
Introduction to World Philosophy	PHIL 1101	3
Introduction to Western Philosophy	PHIL 1102	3
Ethics	PHIL 1107	3
Introduction to Theatre	THEA 1121	3

SOCIAL AND BEHAVIORAL SCIENCES	Course Number	Credit Hours
Principles of Microeconomics	ECON 2205	3
Principles of Macroeconomics	ECON 2206	3
American History I	HIST 1110	3
American History II	HIST 1111	3
African American History	HIST 1130	3
American Women's History	HIST 1140	3
Introduction to Western Civilization I	HIST 1151	3
Introduction to Western Civilization II	HIST 1152	3
American Government (The American Democracy I)	PSCI 1104	3
American Government (The American Democracy II)	PSCI 1105	3

SOCIAL AND BEHAVIORAL SCIENCES, CONTINUED	Course Number	Credit Hours
Principles of Psychology	PSYC 1110	3
Introduction to Diversity	SOCI 1107	3
Introduction to Sociology	SOCI 1170	3

NATURAL SCIENCES	Course Number	Credit Hours
Principles of Biology I	BIOL 1101	5
Principles of Biology II	BIOL 1102	5
Human Biology I	BIOL 1104	4
Human Biology II	BIOL 1105	4
Anatomy & Physiology I	BIOL 2205	4
Anatomy & Physiology II	BIOL 2206	4
Microbiology	BIOL 2210	4
First Year Chemistry I	CHEM 1151	4
First Year Chemistry Lab I	CHEM 1161	1
First Year Chemistry II	CHEM 1152	4
First Year Chemistry Lab II	CHEM 1162	1
Organic Chemistry I	CHEM 2201	4
Organic Chemistry I Laboratory	CHEM 2211	1
Organic Chemistry II	CHEM 2202	4
Organic Chemistry II Laboratory	CHEM 2212	1
General Physics I (Algebra Based)	PHYS 2201	4
General Physics Lab I	PHYS 2211	1
General Physics II (Algebra Based)	PHYS 2202	4
General Physics Lab II	PHYS 2212	1
College Physics for Scientists and Engineers I	PHYS 2221	4
College Physics for Scientists and Engineers Lab I	PHYS 2231	1
College Physics for Scientists and Engineers II	PHYS 2222	4
College Physics for Scientists and Engineers Lab II	PHYS 2232	1