



Academic & Career **PATHWAYS**

Associate in Arts (A.A.)

Mathematics Emphasis: Advising Guide

Taking courses outlined through this sequence will aid students in preparing for majors in mathematics.

Semester 1

Course	Credits	Action Steps
HIST 120, HIST 121 or POLS 136(Social & Behavioral Sciences – Civics)	3	<ul style="list-style-type: none"> • Meet with Academic Advisor to build degree plan in Starfish • Complete Civics exam with 70% or higher • If student is ready for MATH 180, start there and follow with MATH 190, 210, and 230
BIOL 101, BIOL 102, BIOL 104, BIOL 106, BIOL 110, BIOL 123, CHEM 101, CHEM 105, ^CHEM 107, ^CHEM 111, GEOG 104, GEOG 110, GEOL 101, GEOL 103, GEOL 110, GEOL 180, ^PHYS 101L, ^PHYS 104L, ^PHYS 106L, ^PHYS 130, or ^PHYS 220 (Natural Science with lab)	4 – 5*	
^ENGL 101 (Written Communications)	3	
^MATH 130 or MATH 150 (Mathematical Sciences)	3 – 5*	
Total Credits	13 - 16	

Semester 2

^COMM 100 or ^COMM 102 (Oral Communications)	3	<ul style="list-style-type: none"> • Research/contact transfer institutions • Take ECON 210 as the Social & Behavioral Sciences course if considering actuarial science as a major.
ANTH 100, ANTH 110, COMM 112, COMM 233, CRJU 101, ECON 110, ECON 210 , ECON 211, GEOG 105, GEOG 113, HIST 120, HIST 121, POLS 136, POLS 234, PSYC 140, SOCI 160, SOCI 161, SOCI 163 (Social & Behavioral Sciences)	3	
^ENGL 102 (Written Communications)	3	
^MATH 180 (Elective)	5	
ENGL 214, ENGL 216, ENGL 218, ENGL 220, ENGL 221, ENGL 222, ENGL 223, ENGL 240, ENGL 254, ENGL 255, ENGL 260, ENGL 262, ENGL 264, ENGL 267, ENGL 268, PHIL 100, PHIL 101, PHIL 148, PHIL 200, or PHIL 203 (Humanities & Fine Arts)	3	
Total Credits	17	



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Semester 3		
ARAB 101, ^ARAB 102, ART 110, ART 108, ART 150, ART 151, CHIN 101, ^CHIN 102, ^COMM 128, ^ENGL 201, ^ENGL 209, ENGL 214, ENGL 216, ENGL 218, ENGL 220, ENGL 221, ENGL 222, ENGL 223, ENGL 240, ENGL 254, ENGL 255, ENGL 260, ENGL 262, ENGL 264, ENGL 267, ENGL 268, FREN 101, ^FREN 102, HIST 133, HIST 134, GERM 101, ^GERM 102, MUSI 101, MUSI 103, MUSI 105, MUSI 107, MUSI 108, MUSI 116, MUSI 134, MUSI 160, PHIL 100, PHIL 101, PHIL 148, PHIL 200, PHIL 203, ^SPAN 102, ^THEA 106, THEA 116 or THEA 120 (Humanities & Fine Arts)	3-5*	<ul style="list-style-type: none"> • Apply for admission at transfer institution • Apply for scholarships at transfer institution
MATH 190 (Elective)	5	
BIOL 132, ^PHYS 101, ^PHYS 104, or ^PHYS 106 (Natural Science without lab) OR BIOL 101, BIOL 102, BIOL 104, BIOL 106, BIOL 110, BIOL 123, CHEM 101, CHEM 105, ^CHEM 107, ^CHEM 111, GEOG 104, GEOG 110, GEOL 101, GEOL 103, GEOL 110, GEOL 180, ^PHYS 101L, ^PHYS 104L, ^PHYS 106L, ^PHYS 130, or ^PHYS 220 (Natural Science with lab)	3-5*	
^MATH 115 (Elective)	3	
Total Credits	14-18	
Semester 4		
ANTH 110, ^COMM 233, GEOG 105, GEOG 113, POLS 234 (Social & Behavioral Sciences/Diversity requirement)	3	<ul style="list-style-type: none"> • Apply for Graduation • Recommend PHIL 200 for Humanities option
HIST 133 or HIST 134 (Humanities & Fine Arts)	3	
^MATH 210 (Elective)	5	
^CSIS 123 (Elective)	3	
ARAB 101, ^ARAB 102, ART 110, ART 108, ART 150, ART 151, CHIN 101, ^CHIN 102, ^COMM 128, ^ENGL 201, ^ENGL 209, ENGL 214, ENGL 216, ENGL 218, ENGL 220, ENGL 221, ENGL 222, ENGL 223, ENGL 240, ENGL 254, ENGL 255, ENGL 260, ENGL 262, ENGL 264, ENGL 267, ENGL 268, FREN 101, ^FREN 102, HIST 133, HIST 134, GERM 101, ^GERM 102, MUSI 101, MUSI 103, MUSI 105, MUSI 107, MUSI 108, MUSI 116, MUSI 134, MUSI 160, PHIL 100, PHIL 101, PHIL 148, PHIL 200 , PHIL 203, ^SPAN 102, ^THEA 106, THEA 116 or THEA 120 (Humanities & Fine Arts)	3 – 5*	
Total Credits	17-19	
	Credits Required	61*
<p><i>*The A.A. degree requires a minimum of 61 total credits to graduate. When selecting a course from multiple options, please consider the number of credits for each course to ensure meeting the minimum requirements for graduation.</i></p>		

This Pathway Map is an advising tool designed for full-time students on this A.A. degree and identifies the course taking recommendation for timely degree completion. Please be aware that all pathway maps can be



METROPOLITAN
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**SCIENCE, TECHNOLOGY,
ENGINEERING & MATH**

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modified to fit the individual needs of students. Degree requirements and prerequisite information can be found here: <https://www.mcckc.edu/programs/aa/> All students are encouraged to meet with their academic advisor to develop an individualized completion plan that best meets their goals, interests, and objectives.

^Course requires a prerequisite or appropriate placement, see catalog for additional information.