

## Associate in Arts Years 1 and 2 at Metropolitan Community College

COLL 100	First Year Seminar	1
<b>General Education Requirements</b>		<b>Credits</b>
<b>American Institutions</b>		
HIST 120	American History I <i>or</i>	3
HIST 121	American History II	
POLS 136	Introduction to American National Politics	3
<b>Communications</b>		
ENGL 101	Composition and Reading I	3
ENGL 102	Composition and Reading II	3
SPDR 100	Fundamentals of Speech	3
<b>Natural Sciences</b>		
BIOL 101	General Biology <i>or</i>	5
BIOL 117	Life and the Environment <i>or</i>	
BIOL 118	Introduction to Biology	
CHEM 101	Survey of Chemistry <i>or</i>	5
CHEM 105	Introductory Chemistry for Health Sciences <i>or</i>	
CHEM 107	Preparatory General Chemistry <i>or</i>	
CHEM 111	General College Chemistry I <i>or</i>	
PHYS 104	Physical Science <i>or</i>	
PHYS 101	Introductory Physics <i>or</i>	
PHYS 106	General Astronomy <i>or</i>	
PHYS 131	General Physics II <i>or</i>	
GEOL 101	Physical Geology	
<b>Social Sciences</b>		
ECON 110	Introduction to Economics <i>or</i>	3
ECON 210	Principles of Economics I – Macroeconomics <i>or</i>	
POLS 136	Introduction to American National Politics <i>or</i>	3
BSAD 254	Business Law I	
PSYC 140	General Psychology <i>or</i>	3
SOCI 160	Sociology	
<b>Humanities</b> (NOTE: One additional course in Philosophy is recommended.)		
ART 108	Survey of Art <i>or</i>	3
ART 150	History of Art I <i>or</i>	
ART 151	History of Art II <i>or</i>	
MUSI 108	Music Appreciation <i>or</i>	
SPDR 114	Theater and the Western World	
ENGL 214	Introduction to Fiction <i>or</i>	3
ENGL 218	Introduction to Literature <i>or</i>	
ENGL 250	Masterpieces of American Literature <i>or</i>	
ENGL 268	Women's Literature <i>or</i>	
ENGL 260	African-American Literature	
PHIL 100	Introduction to Philosophy <i>or</i>	3
PHIL 101	Philosophy of Religion <i>or</i>	
PHIL 102	World Philosophy <i>or</i>	
PHIL 203	Ethics	
Foreign Language (Six credits must be completed in one foreign language.)		6
<b>Mathematics</b> (NOTE: All mathematics courses must be completed with a grade of "C" or better.)		
MATH 180	Analytic Geometry and Calculus I <i>and</i>	15
MATH 190	Analytic Geometry and Calculus II <i>and</i>	
MATH 210	Analytic Geometry and Calculus III	
CSIS 110	<i>or</i> higher number CSIS course (required)	3
If a student takes C++ Programming (CSIS 155) the course can be transferred to Avila as one of the two required computer science electives.		
<b>Total Credits Required</b>		<b>64-67</b>
Student must complete a Writing Intensive course AND either a Human Diversity course or Learning Community as part of the degree Requirements		

## Bachelor of Arts in Mathematics Years 3 and 4 at Avila University

<b>General Education Requirements</b>		<b>Credits</b>
<b>Core Requirements</b>		
Level II	Religious Studies	3
Level III	Applications and Integration	6
(A Level III course cross-listed with philosophy <i>or</i> religious studies must be taken if a second course in philosophy is not taken at MCC.)		
Level IV	Senior Capstone Experience	1
<b>Mathematics Major Requirements</b>		
All Mathematics, Computer Science, and Physics courses must be completed with a grade of "C" <i>or</i> better		
<b>Mathematics</b>		
MA 315	Introduction to Advanced Mathematics	3
MA 320	Linear Algebra	3
MA 330	Mathematics and Its History	3
MA 370	Abstract Algebra	3
MA 375	Mathematical Analysis	3
MA 499	Mathematics Seminar	3
MA ≥ 310	Mathematics Elective	3
MA > 310	Mathematics Elective	3
<b>Computer Science</b>		
CS ≥ 120	Computer Science Elective	3-4
CS > 120	Computer Science Elective	3-4
<b>Specialized Courses</b> - 10-12 credits - One of the following options must be completed		
(1) PH 231	Physics I <i>and</i>	10
PH 232	Physics II	
(2) Twelve semester hours in a field related to mathematics, each course with a grade of "C" <i>or</i> better, to be chosen with the approval of the major advisor.		
NOTE: A minor in secondary education will also fulfill this requirement.		
<b>Electives</b>		14
<b>Total Credits Required</b>		<b>128-132</b>