

Associate in Arts Years 1 and 2 at Metropolitan Community College

General Education Requirements		Credits	
American Institutions			
HIST 120	American History I <i>or</i>	3	
HIST 121	American History II		
POLS 135	Introduction to Political Science <i>or</i>	3	
POLS 136	Introduction to American National Politics <i>or</i>		
POLS 137	Introduction to State and Local Politics		
Communications			
ENGL 101	Composition and Reading I	3	
ENGL 102	Composition and Reading II	3	
SPDR 100	Fundamentals of Speech <i>or</i>	3	
SPDR 102	Fundamentals of Human Communication		
Mathematics			
MATH 180	Analytic Geometry and Calculus I	5	
Humanities (3 courses, 3 areas of study, 1 course must be Lit. or Phil.)			
Art, Music, <i>or</i> Theatre:			
ART 108	Survey of Art <i>or</i>	9-11	
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	Theatre and the Western World		
Literature:			
ENGL 124	Introduction to Literature <i>or</i>		
ENGL 130	Shakespeare <i>or</i>		
ENGL 150	World Literature I <i>or</i>		
ENGL 151	World Literature II <i>or</i>		
ENGL 165	Masterpieces of American Literature <i>or</i>		
ENGL 220	British Literature to 1750 <i>or</i>		
ENGL 221	British Literature 1750 to Present <i>or</i>		
ENGL 222	American Literature to 1860 <i>or</i>		
ENGL 223	American Literature 1860 to Present		
Philosophy:			
PHIL 100	Introduction to Philosophy <i>or</i>		
PHIL 101	Philosophy of Religion <i>or</i>		
PHIL 200	Logic <i>or</i>		
PHIL 201	History of Philosophy I <i>or</i>		
PHIL 203	Ethics		
Foreign Language:			
Foreign Language 101 <i>or</i>			
Foreign Language 102 <i>or</i>			
Foreign Language 203			
Natural Sciences (2 courses, 1 biological and 1 physical)			
BIOL 101	General Biology <i>or</i>	5	
BIOL 104	General Botany <i>or</i>		
BIOL 106	General Zoology		
CHEM 111	General College Chemistry I	5	

Social Sciences (2 courses, 2 areas of study)			
Anthropology:			
ANTH 100	General Anthropology	6	
Economics:			
ECON 110	Introduction to Economics <i>or</i>		
ECON 210	Macroeconomics <i>or</i>		
ECON 211	Microeconomics		
Geography:			
GEOG 105	World Geography <i>or</i>		
GEOG 114	Introduction to Geography		
Political Science:			
POLS 135	Introduction to Political Science		
Psychology:			
PSYC 140	General Psychology		
Sociology:			
SOCI 160	Sociology <i>or</i>		
SOCI 170	General Anthropology		
Total General Education Courses		42	
The 42 hours listed above will comprise MCC's 42 hour general education block.			
CSIS 110 <i>or</i> higher numbered CSIS course		3	
Electives (courses must be numbered 100 or higher) - 17-19 credits			
CHEM 112	General College Chemistry II	5	
MATH 190	Analytic Geometry and Calculus II	5	
PHYS 220	Engineering Physics I	5	
PHYS 221	Engineering Physics II	5	
From the following courses, choose courses to total a maximum of 65 credits for the degree.			
If not completed as part of the Humanities requirement, satisfactorily complete the second year of a single foreign language (FL 203), or demonstrate intermediate proficiency as determined by a CLEP examination.			
Foreign Language 101		5	
Foreign Language 102			
Foreign Language 203			
Total Credits Required		62	
Student must complete a Writing Intensive course AND either a Human Diversity course or Learning Community as part of the General Education Requirements.			

Bachelor of Arts in Physics Years 3 and 4 at Truman State University

General Education	Credits
Interdisciplinary, Writing-Enhanced Junior Seminar (JINS)	3
Bachelor of Arts Requirements – 6-8 hours	
Satisfactorily complete the second year of a single foreign language, or demonstrate intermediate proficiency as determined by a CLEP examination, or successfully complete a higher level foreign language course. This requirement is fulfilled for students who completed FL 203 at MCC.	
Required Support – 6 hours	
MATH 234 Analytic Geometry & Calculus III	3
MATH 365 Ordinary Differential Equations	3
Major Requirements – 38 hours	
PHYS 250 Modern Physics I	3
PHYS 251 Modern Physics II	3
PHYS 275 Vibrations and Waves	3
PHYS 345 Junior Seminar	1
PHYS 382 Mathematical Physics	3
PHYS 388 Advanced Laboratory	3
PHYS 445 Advanced Physics Seminar <i>or</i> PHYS 491 Senior Research II	1
Complete at least 6 hours from the following courses, including at least one course marked with an asterisk.	
PHYS 246 Astronomy	6
PHYS 320 Electronics	
PHYS 380 Optics	
PHYS 386 Classical Mechanics*	
PHYS 441 Physics Research I	
PHYS 442 Physics Research II	
PHYS 443 Physics Research III	
PHYS 482 Electricity and Magnetism*	
PHYS 486 Thermodynamics and Statistical Mechanics*	
PHYS 490 Senior Research I and PHYS 491 Senior Research II	
PHYS 518 Advanced Topics	
PHYS 580 Quantum Mechanics	
Learning Plan – 15 hours	
The learning plan can be any existing minor of which 15 hours of which are not counted elsewhere, <i>or</i> it may be a group of applicable courses chosen by the student and his or her advisor. The learning plan must be approved by a committee consisting of the student's advisor and two other members of the Physics faculty.	15
Writing Enhanced Requirement	
Complete at least two additional courses at Truman, in addition to the JINS course, that are listed as Writing-Enhanced. These courses may be used to fulfill other requirements.	
Total Credits Required	124