

Benedictine College

Physics

Associate in Arts Years 1 and 2 at Metropolitan Community College

COLL 100	First Year Seminar	1
General Education Requirements		Credits
Communications		
ENGL 101	Composition and Reading I	3
ENGL 102	Composition and Reading II	3
SPDR 100	Fundamentals of Speech	3
Mathematics		
MATH 130	Trigonometry	3
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	
Humanities		
ENGL 218	Introduction to Literature	3
Foreign Language (Spanish <i>or</i> French)		5
SPDR 103 <i>or</i> SPDR 104		3
Social Science		
POLS 136	Introduction to American National Politics	3
HIST 134	Western Civilization I	3
Natural Sciences		
BIOL 101	General Biology	5
CHEM 111	General College Chemistry I	5
Specialized Education Requirements		
CSIS 110	Technology and Information Management	3
ENGR 220	Engineering Physics ¹	5
ENGR 221	Engineering Physics II ¹	5
MATH 180	Analytical Geometry and Calculus I ¹	5
MATH 190	Analytical Geometry and Calculus II ¹	5
MATH 210	Analytical Geometry and Calculus III ¹	5
Total Credits Required		63**
Student must complete a Writing Intensive course AND either a Human Diversity course or Learning Community as part of the degree requirements.		
¹ These courses must be taken at MCC in order to finish in four years.		
** Up to 12 credits in general education may be taken at BC and transferred back to MCC to complete the Associates of Arts Degree. Up to 64 credit hours may transfer to Benedictine from a two year school.		

Bachelor of Science in Physics Years 3 and 4 at Benedictine College

General Education Requirements		Credits
Gs 350	BC Experience	3
Ph 175	Logic and Nature	3
Faith <i>or</i> Philosophical Inquiry		3
Pe 115	Wellness for Life	1
Rs 101	Introduction to Theology	3
Electives		
Specialized Education Requirements		Credits
Ch 103/105	General Chemistry I/Lab	4
Ch 104/106	General Chemistry II/Lab	4
Pc 320	Relativity & Atomic Physics	3
Pc 321	Modern Physics Laboratory I	3
Pc 322	Nuclear & Elem. Particle Physics	2
Pc 323	Modern Physics Laboratory II	1
Pc 330	Mechanics I	3
Pc 331	Mechanics II	3
Pc 350	Electronics	3
Pc 370	Electricity & Magnetism I	3
Pc 372	Electricity & Magnetism II ²	3
Pc 380	Thermodynamics ²	3
Pc 430	Quantum Mechanics ²	3
Pc 460	Optics	2
Pc 461	Optics Laboratory	1
Pc 480	Condensed Matter Physics ²	3
Pc 499	Independent Study/Research	1
Ma 310	Differential Equations	3
Electives		
Total Credits Required		128
² Only two of these courses are required for the Bachelor of Science degree in physics. Omit this statement for BS in Physics.		