

Physics Major Coursework Available at Southwestern Michigan College

The following courses (9.5 Required Units) are required to complete an Albion College Major in Physics (Note: Not all major coursework is available at Southwestern Michigan College, but courses completed at Albion College may be reverse transferred to SWMC for the completion of a Southwestern Michigan College Associate Degree).

SWMC Course	Albion College Units	Albion College Equivalent - Major Courses	✓
PHYS 201	1.25	PHYS 167: Analytical Physics I	
PHYS 202	1.25	PHYS 168: Analytical Physics II	
SWMC Course	Albion College Units	Albion College Equivalent – Additional Major Cognate Requirements	✓
MATH 141	1.25	MATH 141: Calculus of a Single Variable I	
MATH 142	1.25	MATH 143: Calculus of a Single Variable II	
MATH 201	1.25	MATH 245: Multivariate Calculus	
MATH 205	1	MATH 247: Differential Equations and Linear Algebra	

Remaining Major Requirements (To Be Completed At Albion College)			✓
PHYS 191	0.25	Colloquium in Physics and Astronomy I	
PHYS 243	0.5	Introduction to Mathematical Methods in Physics I	
PHYS 244	0.5	Introduction to Mathematical Methods in Physics II	
PHYS 245	1	Electronics	
PHYS 250	1	Introductory Modern Physics	
PHYS 291	0.25	Colloquium in Physics and Astronomy II	
PHYS 325	1	Theoretical Mechanics	
PHYS 336	1	Electricity and Magnetism	
PHYS 350	1	Advanced Laboratory	

Choose One (1) From the Following (To Be Completed At Albion College)			✓
PHYS 308	1	Optics	
PHYS 322	1	Solid State and Nuclear Physics	
PHYS 380	1	Mathematical Physics	
PHYS 384	1	Thermodynamics and Statistical Mechanics	
PHYS 387	1	Quantum Mechanics	

Graduation from Albion College requires the completion of at least one major, in addition to other degree requirements. Only courses applicable to a Liberal Arts curriculum may transfer.

Students transferring from two-year institutions may present a maximum of 20 units (80 credit hours) to transfer towards their Bachelor's Degree. Coursework assigned a passing grade equal to or above 2.0 (C or better) on a 4.0 scale may be recognized in transfer. Courses in which a grade of CR (credit) was earned are not transferrable.

Contact Admissions with questions, and to begin the process of transferring to Albion College.

