

## Physics Major Coursework Available at Oakland Community 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 Oakland Community College, but courses completed at Albion College may be reverse transferred to OCC for the completion of an Oakland Community College Associate Degree).

OCC Course	Albion College Units	Albion College Equivalent - Major Courses	✓
PHY 2400	1.25	PHYS 167: Analytical Physics I	
PHY 2500	1.25	PHYS 168: Analytical Physics II	
OCC Course	Albion College Units	Albion College Equivalent – Additional Major Cognate Requirements	✓
MAT 1730	1	MATH 141: Calculus of a Single Variable I	
MAT 1740	1	MATH 143: Calculus of a Single Variable II	
MAT 2740	1	MATH 245: Multivariate Calculus	
MAT 2810 + MAT 2880	2	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.

