

## Mathematics Major Coursework Available at Southwestern Michigan College

The following courses (10 Required Units) are required to complete an Albion College Major in Mathematics, with the choice of Pure Mathematics or Applied Mathematics Degrees (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 SWMC Associate Degree).

SWMC Course	Albion College Units	Albion College Equivalent - Major Courses	✓
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 & Linear Algebra	
N/A at SWMC	1	CS 171: Introduction to Computer Science	
<b>Remaining Major Requirements (To Be Completed At Albion College for Either Mathematics Major)</b>			✓
MATH 239	1	Discrete Structures	
MATH 331	1	Real Analysis	
MATH 335	1	Abstract Algebra	
MATH 299	0.25	Colloquium in Mathematics and Computer Science	
MATH 399	0.25	Colloquium in Mathematics and Computer Science	
<b>Major Coursework for Students Interested in a <u>Pure Mathematics Degree</u> (Choose Two):</b>			✓
MATH 309	1	Mathematical Statistics	
MATH 333	1	Complex Analysis	
MATH 342	1	Geometry	
MATH 345	1	History of Mathematics	
MATH 349	1	Advanced Linear Algebra	
<b>Major Coursework for Students Interested in an <u>Applied Mathematics Degree</u> (Choose Two):</b>			✓
MATH 309	1	Mathematical Statistics	
MATH 311	1	Regression and Time Series Models	
MATH 316	1	Numerical Analysis	
MATH 326	1	Operations Research	
MATH 333	1	Complex Analysis	
MATH 349	1	Advanced Linear Algebra	
MATH 360	1	Mathematical Modeling	
MATH 370	1	Partial Differential Equations	
MATH 380	1	Mathematical Physics	

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.

