

## MATHEMATICS & SCIENTIFIC RESEARCH

**Majors included: Biochemistry & Biotechnology, Biology, Chemistry, Mathematics, & Physics**

The Mathematics & Scientific Pathway is intended for students who are fascinated by science, research, and how the universe operates. Students can expect a thorough examination of natural sciences, and can opt to also dive further into physical sciences and mathematical research. Those in this Pathway will gather the necessary skillsets to conduct research in a variety of scientific fields; students also interested in health sciences may also consider this Pathway.

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### Year 1: Fall

Course Number	Course Name	Credits	Notes
ENGL 1100	First-Year Writing	3	
MATH 1030	College Algebra	3	
MATH 1035	Trigonometry	2	
BIOL 1821	Introductory Biology: Organisms in the Environment	5	
INTDSC 1003	University Studies	1	
BIOL 1800	Introduction to the Biology Major	1	
PHYSICS 1099	Windows of Physics	1	

Total credits: **16**

### Year 1: Spring

Course Number	Course Name	Credits	Notes
MATH 1800	Analytical Geometry & Calculus I	5	
CHEM 1111	Introductory Chemistry I	5	
PHIL 2256	Bioethics	3	
Explore	Social & Behavioral Sciences	3	

Total credits: **16**

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### Year 2: Fall

Course Number	Course Name	Credits	Notes
MATH 1900*	Analytical Geometry & Calculus II*	5	*Students that are considering Physics
CHEM 1121	Introductory Chemistry II	5	
BIOL 1831	Introductory Biology: From Molecules to Organisms	5	

Total credits: **15**

### Year 2: Spring

Course Number	Course Name	Credits	Notes
PHYSICS 2111*	Physics: Mechanics & Heat*	4	*Students that are considering Physics
BIOL 2012	Genetics	3	
MATH 1320	Applied Statistics	3	
Explore	Social & Behavioral Sciences	3	
Explore	Humanities & Fine Arts	3	

Total credits: **16**