

## First Year (Total Credits: 36)

Semester	Course Code	Course Title	Type
Fall	<a href="#">MATH 307</a> <a href="#">MATH 281</a> <a href="#">MATH 316</a>	Introduction to Proof Several-Variable Calculus I Fundamentals of Analysis I	Required Required Required
Winter	<a href="#">MATH 317</a> <a href="#">MATH 282</a> <a href="#">MATH 342</a>	Fundamentals of Analysis II Several-Variable Calculus II Linear Algebra II	Required Required Required
Spring	<a href="#">MATH 433</a> <a href="#">MATH 431</a> <a href="#">MATH 421M</a>	Introduction to Differential Geometry Introduction to Topology I Partial Differential Equations I	Required Elective Elective

## Second Year (Total Credits: 48)

Semester	Course Code	Course Title	Type
Fall	<a href="#">MATH 444</a> <a href="#">MATH 432</a> <a href="#">MATH 413</a> <a href="#">MATH 422</a>	Introduction to Abstract Algebra I Introduction to Topology II Introduction to Analysis I Partial Differential Equations II	Required Elective Elective Elective
Winter	<a href="#">MATH 445</a> <a href="#">MATH 434</a> <a href="#">MATH 414</a> <a href="#">MATH 411</a>	Introduction to Abstract Algebra II Introduction to Topology III Introduction to Analysis II Functions of a Complex Variable I	Required Elective Elective Elective
Spring	<a href="#">MATH 446</a> <a href="#">MATH 415</a> <a href="#">MATH 412</a> <a href="#">MATH 533</a>	Introduction to Abstract Algebra III Introduction to Analysis III Functions of a Complex Variable II Differential Geometry	Required Elective Elective Elective

## Third Year (Total Credits: 48)

Semester	Course Code	Course Title	Type
Fall	<a href="#">MATH 616</a> <a href="#">MATH 634</a> <a href="#">MATH 637</a> <a href="#">MATH 647</a>	Real Analysis I Algebraic Topology I Differential Geometry I Abstract Algebra I	Elective Elective Elective Elective
Winter	<a href="#">MATH 617</a> <a href="#">MATH 635</a> <a href="#">MATH 638</a> <a href="#">MATH 648</a>	Real Analysis II Algebraic Topology II Differential Geometry II Abstract Algebra II	Elective Elective Elective Elective
Spring	<a href="#">MATH 618</a> <a href="#">MATH 636</a> <a href="#">MATH 639</a> <a href="#">MATH 649</a>	Real Analysis III Algebraic Topology III Differential Geometry III Abstract Algebra III	Elective Elective Elective Elective