

Undergraduate Mathematics Courses by Field of Study

506	Introduction to Number Theory	Algebra
510	Discrete Mathematics	
511	Introduction to Algebraic Systems	
512	Introduction to Modern Algebra	
515	Introduction to Linear Algebra	
730-1	Abstract Algebra I and II	
220-2	Calculus I-III	Analysis
520	Foundations of Analysis	
521	The Real Number System	
630	Introduction to Complex Analysis	
633-4	Advanced Calculus I and II	
721	Introduction to Real Analysis	
722	Introduction to Functions of Several Variables	
500	Mathematical Theory of Interest	Applied Math
501	Mathematical Foundations of Actuarial Science	
551	Applied Matrix Theory	
599	Introduction to Time Series Analysis	
615	Digital Image Processing	
655	Elementary Numerical Analysis	
670	Mathematical Modeling	
740	Calculus of Variations	
755	Dynamic Modeling Processes	
240	Elementary Differential Equations	Differential Equations
540	Advanced Differential Equations	
632	Elementary Partial Differential Equations	
745	Ordinary Differential Equations	
560	Introduction to Topology	Geometry & Topology
572	Foundations of Geometry	
772	Elementary Differential Geometry	
701-2	Elementary Topology I and II	
570	History of Mathematics	General

MATHEMATICS