

Advanced Mathematics Certificate Course Progression Worksheet 2024–2026 Catalog

REQUIRED COURS FOUNDATIONAL C 3 hours selected fro IBL coursework as o Course Schedule: M 325K Discrete II) M 328K Introduc be IBL or M 333L Structure be IBL or 3 hours selected fro M 340L Matrices M 341 Linear Al M 343K Introduc	EWORK OURSEWORK om the following designated in the		 		
FOUNDATIONAL C 3 hours selected fro IBL coursework as of Course Schedule: M 325K Discrete II) M 328K Introduce be IBL or M 333L Structure be IBL or 3 hours selected fro M 340L Matrices M 341 Linear Al M 343K Introduce	OURSEWORK om the following designated in the				
3 hours selected fro IBL coursework as of Course Schedule: M 325K Discrete II) M 328K Introduct be IBL or M 333L Structure be IBL or 3 hours selected fro M 340L Matrices M 341 Linear Al M 343K Introduct	om the following designated in the		SUPPLEMENTARY COURSEWORK:6 hours selected from the following:M 365DReal Analysis II		
Course Schedule: M 325K Discrete II) M 328K Introduc be IBL or M 333L Structure be IBL or 3 hours selected from M 340L Matrices M 341 Linear Al M 343K Introduc	· · · · · · · · · · · · · · · · · · ·				
M 325K Discrete II) M 328K Introduction be IBL or M 333L Structure be IBL or 3 hours selected fro M 340L Matrices M 341 Linear Al M 343K Introduction			 _ M 367K	Topology	
M 328K Introduct be IBL or M 333L Structure be IBL or 3 hours selected fro M 340L Matrices M 341 Linear Al M 343K Introduct	Mathematics (must be IBL or		M 367L M 362M	Topology II Introduction to Stochastic Processes	
M 333L Structure be IBL or 3 hours selected fro M 340L Matrices M 341 Linear Al M 343K Introduc	tion to Number Theory (must · II)		M 373L M 378K	Algebraic Structures II Introduction to Mathematical	
3 hours selected fromM 340LMatricesM 341Linear AlM 343KIntroduct	e of Modern Geometry (must ' II)			Statistics	
M 340L Matrices M 341 Linear Al M 343K Introduc	2 hours colooted from the fallowing		6 hours selected from the following:		
M 341 Linear Al M 343K Introduc	and Matrix Calculations		 M 343K	Introduction to Algebraic Structures	
M 343K Introduc	gebra and Matrix Theory		M 346	Applied Linear Algebra	
M 361K Introduc	tion to Algebraic Structures tion to Real Analysis		M 348	Scientific Computation in Numerical Analysis	
M 365C Real Ana	lysis l		M 358K	Applied Statistics	
M 373K Algebraic S	c Structures I		M 361	Theory of Functions of a Complex Variable	
			M 361K M 362M	Introduction to Real Analysis	
			M 365C	Real Analysis I	
			M 365D	Real Analysis II	
			M 367K	Topology I	
			M 367L	Topology II	
			M 368K M 372K	Numerical Methods for Applications Partial Differential Equations and applications	
			M 373K	Algebraic Structures I	
			M 373L M 378K	Algebraic Structures II Introduction to Mathematical	
			M 374M	Mathematical Modeling in Science and Engineering	
			M 378N	Generalized Linear Models	
			M 339D	Introduction to Financial Mathematics for Actuaries	
			M 339G	Predictive Analytics	
			M 3391	Probability Models with Actuarial	
			M 339U	Actuarial Contingent Payments I	
			M 339V	Actuarial Contingent Payments II	
			M 349P	Actuarial Statistical Estimates	
			M 349R	Applied Regression and Time Series	
			M 375D	Discovery: An Introduction to Advanced Study in Mathematics	
			With appro	oval of the certificate program faculty, ropriate courses may be counted toward	