

BACHELOR OF DISCRETE MATHEMATICS TECHNICAL ELECTIVES

Mathematics

Differential Equations	MATH 2403	3-0-3
Algebraic Structures in Coding Theory	MATH 4012	3-0-3
Combinatorial Analysis	MATH 4032	3-0-3
Introduction to Number Theory	MATH 4150	3-0-3
Stochastic Processes I	MATH 4221	3-0-3
Stochastic Processes II	MATH 4222	3-0-3
Monte Carlo Methods	MATH 4255	3-0-3
Mathematical Statistics I	MATH 4261	3-0-3
Mathematical Statistics II	MATH 4262	3-0-3
Introduction to Information Theory	MATH 4280	3-0-3
Analysis II	MATH 4318	3-0-3
Complex Analysis	MATH 4320	3-0-3
Introduction to Topology	MATH 4431	3-0-3
Introduction to Algebraic Topology	MATH 4432	3-0-3
Numerical Analysis I	MATH 4640	3-0-3
Numerical Analysis II	MATH 4641	3-0-3
Vector and Parallel Scientific Computation	MATH 4777	3-0-3

Computing

Computer Systems and Networks	CS 2200	3-3-4
Computer Structures: Hardware/Software Codesign of a Processor	CS 3200	2-3-3
Computer Networking I	CS 3251	3-0-3
Compilers, interpreters, and Program Analyzers	CS 4240	3-0-3
Telecommunications Systems	CS 4260	3-0-3
Computer Graphics	CS 4451	3-0-3

Industrial and Systems Engineering

Introduction to Supply Chain Modeling: Logistics	ISYE 3103	3-0-3
Introduction to Supply Chain Modeling: Manufacturing and Warehousing	ISYE 3104	3-0-3
Simulation Analysis and Design	ISYE 3044	3-0-3
Honors Topics	ISYE 4833	3-0-3

Electrical and Computer Engineering

Introduction to Signal Processing	ECE 2025	3-3-4
Introduction to Computer Engineering	ECE 2030	3-0-3
Digital Design Laboratory	ECE 2031	1-2-3
Computer Architecture & Operating Systems	ECE 3055	3-3-4
Random Signals	ECE 3075	3-0-3
Introduction to Systems and Controls	ECE 3085	3-0-3
Fundamentals of Digital Signal Processing	ECE 4270	3-0-3