

MATHEMATICS AND ENGINEERING, COMPUTING AND COMMUNICATIONS (M9): TECHNICAL ELECTIVES

****Note - Information on this page may be out of date**

**Please view the current 2022-2023 Academic Calendar here: <https://calendar.engineering.queensu.ca/index.php> (<https://calendar.engineering.queensu.ca/>)

List I

(choose **at least one** course)

Code	Title	Units
MTHE 406	Introduction To Coding Theory	3.00
MTHE 418	Number Theory & Cryptography	3.00
MTHE 430	Control Theory	4.00
MTHE 434	Optimization Theory with Applications to Machine Learning	3.50
MTHE 472	Optimization and Control of Stochastic Systems	3.00
MTHE 478	Topics In Communication Theory	3.00
MTHE 484	Data Networks	3.00
MTHE 454	Statistical Spectrum Estimation	3.00
MTHE 437	Topics In Applied Mathematics	3.50

List II

Code	Title	Units
CMPE 434	Distributed Systems	3.00
CMPE 454	Computer Graphics	3.00
CMPE 457	Image Processing & Computer	3.00
ELEC 374	Digital Systems Engineering	4.25
ELEC 377	Operating Systems	4.00
ELEC 421	Digital Signal Processing: Filters and System Design	4.00
ELEC 422	Digital Signal Processing: Random Models and Applications	3.50
ELEC 461	Digital Communications	3.50
ELEC 464	Wireless Communications	3.00
ELEC 470	Computer System Architecture	3.50
ELEC 373	Computer Networks	3.50
SOFT 437	Performance Analysis	3.00
CMPE 251	Data Analytics	3.00
CMPE 351	Advanced Data Analytics	3.00