

# CME Curriculum

For students entering  
in 2007 or later

## First Year

Calculus I MATH110	Chemistry I CHEM114	Intro. to Engineering GE101	Mechanics I GE124	Problem Solving GE111	Business Management COMM102
Calculus II MATH124	E&M Circuits I PHYS155	Engineering Design GE121	Mechanics II GE125	Science Elective	Humanities/ Social Science Elective

## Second Year

Intermediate Calculus MATH223	Computing I CMPT116	E&M Circuits II EE201	Analog Electronics EE221	Materials in EE EE271	Probability Num. Methods EE216	Computer Tools for Analysis EE290
Differential Equations MATH224	Computing II CMPT117	Modelling & Networks EE214	Digital Electronics EE232	Science Elective	Oral & Written Comm. RCM300	Laboratory I 3h EE292

## Third Year

Programming CMPT214	Object-Oriented Systems CMPT270	Microprocessor HW & SW EE331	Signals and Systems EE351	Electronic Devices EE372	Compl. Studies Elective	
Real Time Computing EE332	Data Structures & Algorithms CMPT280	HDL EE431	Communication Systems EE352	DSP I EE362	EE Design EE395	Comp. Engin. Laboratory CME392

## Fourth Year

Control Systems EE481	Digital Systems Architecture CME433	Verification of Digital Systems CME435	Transport Networks CME451	Design Project CME495	Engineering in Society GE449
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DSP II EE461
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Operating Systems CMPT332
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Software Engineering CMPT370
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Choose 1\*

\*Fourth year electives should ideally be taken in pairs + one other  
 EE481 / EE480                      Control  
 EE461 / CME462                    DSP  
 CMPT332 / CMPT434                Networks  
 CMPT332 / CMPT432                Operating Systems  
 CMPT370 / CMPT\*\*\*                Software Engineering

Digital Control Systems EE480	Optoelectronics Photonics EE472	VLSI Circuit Design EE432	Engineering Economics GE348	Design Project CME495	Humanities Social Science Elective
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Multimedia Protocols CME462	Web Programming CMPT350
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Computer Networks CMPT434	Adv. Operating Systems CMPT432
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Software Management CMPT371	Computer Security CMPT352
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Adv. Computer Architecture CMPT420
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Choose 2\*