

EE 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	Passive AC Circuits EE212	Digital Electronics EE232	Modelling & Networks EE214	Science Elective	Laboratory I 3h EE292

Third Year						
Power Systems I EE342	Electronic Instrumentation EE323	Microprocessor HW & SW EE331	Signals and Systems EE351	EM Fields EE301	Electronic Devices EE372	Laboratory II 6h EE391
Electric Machines I EE341	Elective	Elective	Communication Systems EE352	EE Design EE395	Oral & Written Comm. RCM300	Laboratory III 6h EE392
DSP I EE362	Compl. Studies Elective					
Choose 1 *	Choose 2 **					

* Must take both EE341 and EE362

Fourth Year					
Power Systems II EE441	Machines II EE444	Control Systems EE481	Engineering in Society GE449	Design Project EE495	Humanities Social Science Elective
DSP II EE461	Digital Communication EE456				
Transport Networks CME451					
Choose 2					
Electric Machines I EE341	Elective	Elective	Engineering Economics GE348	Design Project EE495	HDL EE431
DSP I EE362	Digital Control Systems EE480	Computer Networks CMPT434			
Choose 1 *	Compl. Studies Elective				
	Choose 2 **				

** Three electives must be taken from the following: EE332, EE402, EE432, EE442, EE443, EE445, EE458, EE471, EE472, EE480, CMPT434, CME462 or courses approved by the head of department. One complementary studies elective must be taken.

Approved Electives 08-09

Real Time Computing EE332	Communication Electronics EE 458	Optoelectronics Photonics EE472	Reliability EE445	Micro and Nanotech. EE471
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Tentative Electives 09-10

Real Time Computing EE332	Microwave Engineering EE402	VLSI Circuit Design EE432	Power Systems Oper. & Control EE442	Power Electronics EE443	Multimedia CME462
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