

TECHNICAL ELECTIVES CONTINUED

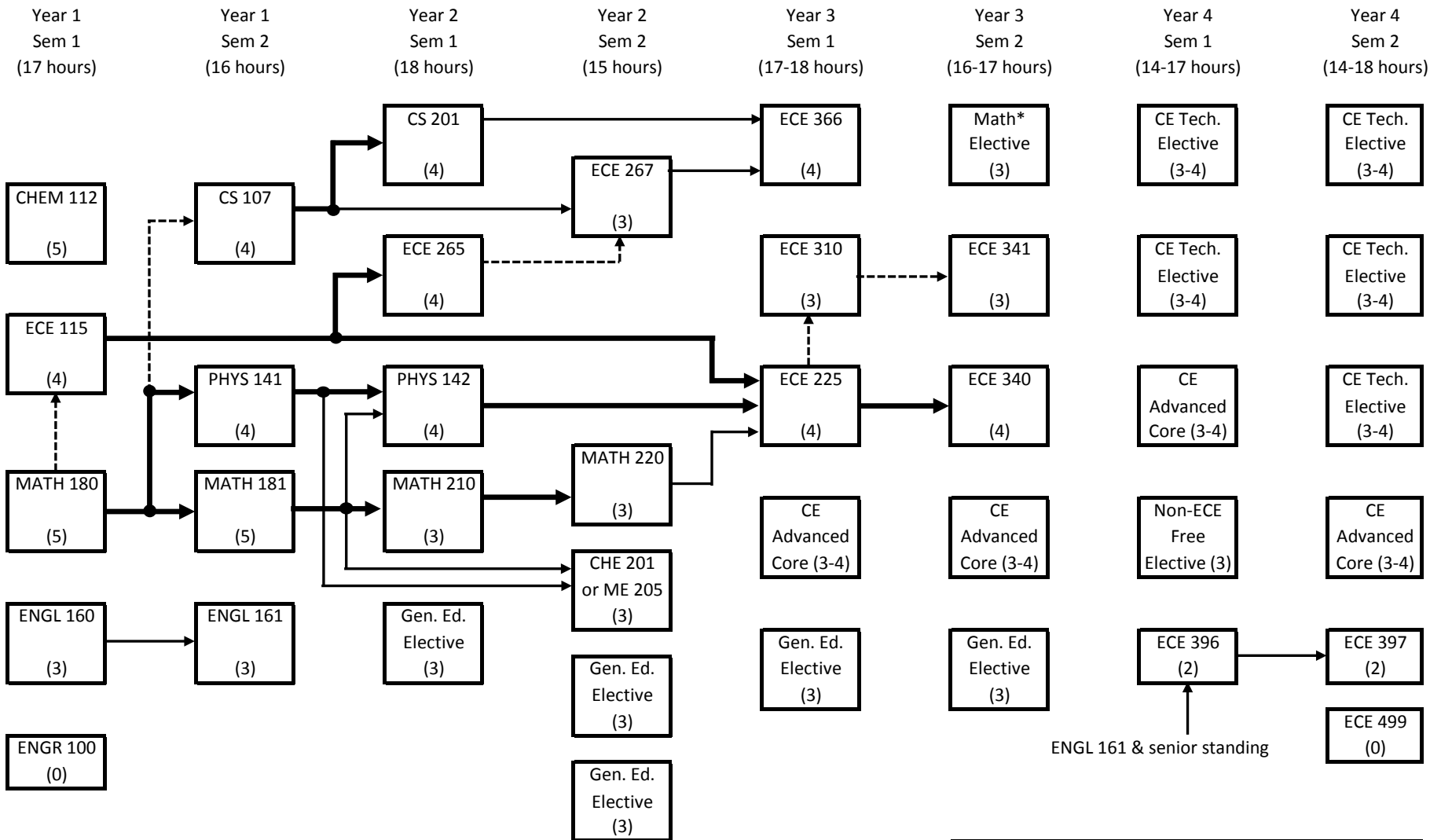
Multimedia Systems	ECE 434	F	3	ECE 310
Computer Communication Networks II	ECE 436	Sp	3	ECE 333
Wireless Communications	ECE 437	F	3	ECE 311 and ECE 341
Power Semiconductor Devices & Integ. Circuits	ECE 442	Sp	4	ECE 342 and ECE 346
Analysis & Design of Power Electronic Circuits	ECE 445	F	4	ECE 342; and grade of C or better in ECE 310
Transistors	ECE 448	Sp	3	ECE 346
Microdevices and Micromachining Technology	ECE 449	Sp	4	ECE 347; or consent of the instructor
Control Engineering	ECE 451	F	3	ECE 350
Robotics: Algorithms and Control	ECE 452	Sp	3	CS 201; & gr. of C or bett. in ECE 210 or gr. of C or bett. in ECE 225
Electromechanical Energy Conversion	ECE 458	F	3	Grade of C or better in ECE 225
Analog and Mixed-Signal VLSI Design	ECE 468	Sp	4	ECE 467
Computer Systems Design	ECE 469	Sp	3	CS 366; or ECE 366 and ECE 368
Compiler Design	CS 473		3	Gr. of C or bett. in CS 301 or in MCS 441; &Gr. of C or bett. in CS 202 or in MCS 360; &Gr. of C or bett. in CS 266.
Networked Operating Systems Programming	CS 485		4	CS 385
Coding and Cryptography	MCS 425		3	Gr. of C or bett. in MATH 215; &Gr. of C or bett. in MATH 310 or Gr. of C or bett. in MATH 320; or consent of the instructor

NONENGINEERING AND GENERAL EDUCATION REQUIREMENTS(50 hrs)

COURSE TITLE	NUMBER		HRS.	PREREQUISITES
General College Chemistry I*b	Chem 112		5	C or better in CHEM 101 or adequate performance on the UIC chemistry placement exam
Academic Writing I:WAPC	ENGL 160		3	Performance on Dept. Placement Test
Academic Writing II:WIR	ENGL 161		3	ENGL 160 or the equivalent
Exploring World Cultures course*a			3	
Understanding the Creative Arts course*a			3	
Understanding the Past course*a			3	
Understanding the Individual and Society course*a			3	
Understanding US Society course*a			3	
Calculus I*b	MATH 180		5	C or better in MATH 121 or app. perf. on the dept. pl. test
Calculus II*b	MATH 181		5	C or better in MATH 180
Calculus III*b	MATH 210		3	C or better in MATH 181
Introduction to Differential Equations I	MATH 220		3	C or better in MATH 210
General Physics I (Mechanics)*b	PHYS 141		4	Grade of C or bett. in MATH 180
General Physics II (Electricity and Magnetism)*b	PHYS 142		4	Gr. of C or bett. in MATH 181;&Gr. of C or bett. in PHYS 141 or consent of the instructor

*a-Consult General Education section of the catalog for approved courses in this category ; *b-Course approved for the Analyzing the Natural

UIC Computer Engineering Curriculum - Suggested Schedule of Courses



→ Prerequisite course
 → Grade ≥ C required in prerequisite
 - - - Co-requisite course

*Select one course from: MATH 310, 410, 417, 481 & MCS 471

CE Advanced Core Courses:
 Group A: ECE 333 (4), 367 (4), 368 (4) and CS 385 (4)
 Group B: ECE 465 (3), 466 (3), 467 (4) and CS 401 (3)
 (Must take at least two courses from each group)