2011-2012
Timetable

Computer Engineering

Fall 2011 Term
Sept-Dec 2011

Course Course # (Credit Hours) Course Name	Lecture Section/Slot/Room	Lab Section/Slot/Room	Prereq || Coreq	Instructor
Required Courses				
CIVL 4050 (3) Engineering Economics	A01/10/E2-160	NA	STAT 2220	Wyatt
COMP 2140 (3) Data Structures & Algorithms	See Aurora for details	See Aurora for details	COMP 1020	See Aurora for details
ECE 2220 (5) Digital Logic	A01/2/E2-130	Tutorial: T slot 10/23/E2-130 B01/21/E3-528 B02/23/E3-528 B03/25/E3-528	ENG 1450	Hossain
ECE 2262 (4) Electric Circuits	A01/5/E2-350	Tutorial: T slot 10 /E2-155 B01/21/E3-412 - odd; B02/25/E3-412 - odd B03/27/E3-412 - odd	ENG 1450 || MATH 2132	Kordi
ECE 3670 (4) Electronics 3E	A01/3/E2-130	B01/25/E3-412 - even; B02/27/E3-412 - even	ECE 2160	McNeill
ECE 3740 (4) Systems Engineering Principles 1	A01/7/E2-365	B01/27/E3-516 - odd	COMP 2140	Fung
ECE 3780 (4) Signal Processing 1	A01/1/E2-350	B01/21/E1-551 - even; B02/23/E1-551 -even B03/25/E1-551 – even	ECE 2262, MATH 3132	Thomas
ECE 4150 (4) Control Systems	A01/3/E2-125	B01/21/E2-665 - even; B02/23/E2-665 - even B03/25/E2-665 - even; B04/27/E2-665 - even B05/25/E2-665 - odd	ECE 3780	Yoshida
ECE 4240 (4) Micro-Processor Interfacing	A01/2/E2-150	B01/21/E3-558 - odd; B02/23/E3-558 - odd	ECE 2160, ECE 3610	Kinsner
ECE 4600 (6) Group Design Project	A01/29/E2-125	NA	ENG 1430, ENG 2010, and either (ECE 3580, ECE 3610, ECE 3670, and ECE 3720) OR (ECE 3670, ECE 3700, ECE 3740, and ECE 3760)	C.Shafai/Yoshida
ECE 4740 (4) Digital System Implementation	A01/9/E2-125	B01/27/E3-528 - odd	ECE 4240	McLeod
ECE 4830 (4) Signal Processing 2	A01/8/E2-125	B01/23/E3-424 - odd; B02/25/E3-424 - odd	ECE 3780	Cai/ Thomas
ENG 1450 (3) Intro Elec. & Comp Eng.	A01/7/E3-270 A02/10/E3-270	B01/21/E3-580; B02/23/E3-580 B03/25/E3-580; B04/27/E3-580	A minimum grade of 60% in pre-calculus Mathematics 40S, or the former Mathematics 40S, Physics 40S, and Chemistry 40S	C.Shafai/ Sherif
ENG 2010 Technical Communications	See Aurora for details	See Aurora for details	ENG 1430, ENGL 1310	Mohammed/Parker
MATH 2130 (3) Engineering Math Analysis 1	See Aurora for details	See Aurora for details	MATH 1210, MATH 1710	See Aurora for details
MATH 2132 (3) Engineering Math Analysis 2	See Aurora for details	See Aurora for details	MATH 1210, MATH 1710	See Aurora for details
MATH 3120 (3) Applied Discrete Mathematics	See Aurora for details	See Aurora for details	MATH 2120	See Aurora for details
STAT 2220 (3) Contemporary Statistics for Engineers	See Aurora for details	See Aurora for details	MATH 1710	See Aurora for details
Electrical Engineering Technical Electives (1 required in program)				
ECE4540 Wireless Networks	A01/3/TBD	B01/23/E3-516-even	ECE 3700, ECE 3780	Hossain
ECE 3580 (4) Foundations of Electromagnetics	A01/9/E2-150	B01/23/E3-558 - even; B02/27/E3-558 - even B03/29/E3-558 - even	MATH 3132, PHYS 2152	LoVetri
ECE 3720 (4) Electric Power and Machines	A01/5/E2-320	B01/21/E1-468 - even; B02/25/E1-468 - even B03/23/E1-468 - even B02/27/E1-468 -even	ECE 2262	Filizadeh
ECE 4390 (4) Engineering Computations	A01/7/E2-350	B01/23/E3-516 - odd; B02/27/E1-516 - odd	ECE 2240, MATH 3132	LoVetri
ECE 4610 (4) Biomedical Instrumentations & Signal Processing	A01/4/E2-399	B01/21/E3-424 - odd	ECE 2160, ECE 3780	Moussavi
Computer Science Technical Electives (1 required in program)				
COMP 2160 (3) Programming Practices	See Aurora for details	See Aurora for details	COMP 1020	See Aurora for details
COMP 3020 (3) Human-Computer Interaction 1	See Aurora for details	See Aurora for details	COMP 2140	See Aurora for details
COMP 3190 (3) Intro to Artificial Intelligence	See Aurora for details	See Aurora for details	COMP 2140	See Aurora for details
COMP 3290 (3) Intro to Compiler Construction	See Aurora for details	See Aurora for details	COMP 2140, COMP 2280	See Aurora for details
COMP 3380 (3) Database Concepts and Usage	See Aurora for details	See Aurora for details	COMP 2140	See Aurora for details
COMP 3490 (3) Computer Graphics 1	See Aurora for details	See Aurora for details	COMP 2190, COMP 2191, or a calculus course 2000 level or higher	See Aurora for details

Science Electives (1 required in program) Choose from: BIOL 1020, BIOL 1410, CHEM 1310, CHEM 1320, GEOL 1340, GEOL 2250, PHYS 3220

Complementary Studies Elective (Total of 3 credit hours from either Arts or Management required in program)
Please check with the ECE Dept regarding Management Science courses

**This timetable is a guideline and only applies for the current academic year. Please consult your department for more information.* *Updated August 9, 2011*

2011-2012
Timetable

Computer Engineering

Winter 2012 Term
Jan-Apr 2011

Course Course # (Credit Hours) Course Name	Lecture Section/Slot/Room	Lab Section/Slot/Room	Prereq || Coreq	Instructor
Required Courses				
ANTH 2430 (3) Ecology, Technology, & Society	See Aurora for details	See Aurora for details	NA	See Aurora for details
COMP 3430 (3) Intro to Operating Systems	See Aurora for details	See Aurora for details	COMP 2140, ECE 3610	See Aurora for details
ECE 2160 (5) Electronics 2E	A01/3/E2-110	B01/21/E3-412; B02/25/E3-412 B03/27/E3-412	ECE 2262	TBA
ECE 2262 (5) Electric Circuits	A01/3/E2-350	B01/23/E3-412-odd; B02/29/E3-412-odd	ENG 1450|| Math 2132	Ohkmatovski
ECE 3540 (4) Advanced Circuit Analysis and Design	A01/3/E2-330	B01/21/E3-558 - odd; B02/23/E3-558 - odd B03/25/E3-558 - odd	ECE 2262, MATH 3132	Mojabi
ECE 3610 (4) Micro-Processing Systems	A01/1/E2-130	B01/21/E3-558 - even; B02/23/E3-558 - even B03/25/E3-558 - even;	ECE 2220	Ferens
ECE 3700 (4) Telecommunication Network Engineering	A01/4/E2-330	B01/29/E3-516 - odd	COMP 2140	Alfa
ECE 3760 (4) Digital Systems Design 1	A01/2/E2-125	B01/25/E3-528 - odd; B02/27/E3-528 - odd	ECE 4240	Buchanan
ECE 3790 (4) Engineering Algorithms	A01/10/E2-365	B01/27-E3-516 - even	COMP 2140 || MATH 3132	McLeod
ECE 4260 (4) Communication Systems	A01/1/E2-150	B01/21/E1-551 - even; B02/23/E1-551 - even B03/25/E1-551 - even; B04/27/E1-551 - even B05/29/E1-551 - even; B06/27/E1-551 - odd	ECE 3780, STAT 2220	Yahampath
ECE 4600 (6) Group Design Project	A01/29/E2-160	NA	ENG 1430, ENG 2010, and either (ECE 3580, ECE 3610, ECE 3670, and ECE 3720) OR (ECE 3670, ECE 3700, ECE 3740, and ECE 3760)	Shafai/Yoshida
ENG 1450 (3) Intro Elec. & Comp. Eng.	A01/7/E3-270 A02/10/E3-270	B01/21/E3-580; B02/23/E3-580 B03/25/E3-580; B04/27/E3-580	A minimum grade of 60% in pre-calculus Mathematics 40S, or the former Mathematics 40S, Physics 40S, and Chemistry 40S	Cai/Major
MATH 3132 (3) Engineering Math Analysis 3	See Aurora for details	See Aurora for details	MATH 2130, MATH 2132	See Aurora for details
PHYS 2152 (3) Modern Physics for Engineers	See Aurora for details	See Aurora for details	PHYS 1050, MATH 1710 || MATH 2130	See Aurora for details
Computer Engineering Technical Electives (1 required in program)				
ECE 3770 (4) Digital Systems Design 2	A01/6/E2-350	B01/21/E3-516 – even		Kinsner
ECE 4250 (4) Digital Communications	A01/1/E2-365	B01/27/E3-424 – even	ECE 4260, ECE 4830	Pawlak
ECE 4420 (4) Digital Control	A01/5/E2-399	B01/25/E2-665 - odd; B02/25/E2-665 - even	ECE 4150, ECE 4830	Fung
ECE 4520 (4) Simulation and Modeling	A01/2/E2-399	B01/21/E3-516 – odd	COMP 2140, STAT 2220	Pawlak
ECE 4440 (4) Computer Vision	A01/8/E2-399	B01/21/E3-424 – odd	ECE 3780	Peters
Electrical Engineering Technical Electives (1 required in program)				
ECE 3600 (4) Physical Electronics	A01/2/E2-155	B01/23/E3-554 - odd; B02/25/E3-554 - odd B03/27/E3-554 - odd; B04/29/E3-554 - odd	ECE 3670, MATH 3132, PHYS 2152	Oliver
Computer Science Technical Electives (1 required in program)				
COMP 2150 (3) Object Orientation	See Aurora for details	See Aurora for details	COMP 2140, COMP 2160	See Aurora for details
COMP 3010 (3) Distributed Computing	See Aurora for details	See Aurora for details	COMP 2140, COMP 2150	See Aurora for details
COMP 4020 (3) Human-Comp. Interaction 2	See Aurora for details	See Aurora for details	COMP 3020	See Aurora for details
Science Electives (1 required in program) Choose from: BIOL 1020, BIOL 1410, CHEM 1310, CHEM 1320, GEOL 1340, GEOL 2250, PHYS 3220				
Complementary Studies Elective (Total of 3 credit hours from either Arts or Management required in program) **Please check with the ECE Dept regarding Management Science courses**				

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