

ECE - Computer & Network Track

Revised: 09/18/2008

Non-MECOP Plan This guide is for planning purposes only. Course offerings subject to change.

	Fall	Winter	Spring	Summer
Freshman	MTH 251*	4 MTH 252*	4 MTH 254*	
	ECE 111	3 ECE 112*	3 CS 161	
	CH 201*	3 MTH 231	4 ECE 271	
	WR 121*	3 Perspective	3 ECE 272	
		3 Lifetime Fitness	3 PH 211*	
	13 Total	17 Total	16 Total	0
Sophomore	MTH 256*	4 MTH 306*	4 MTH 255	
	PH 212*	4 PH 213*	4 WR 327	
	ENGR 201*	3 ENGR 202*	3 ENGR 203	
	COMM 111/114*	3 CS 162	4 CS 261	
			<i>Apply to Pro</i>	
	14 Total	15 Total	14 Total	0
Junior	ECE 375	4 ECE 322	4 ECE 323	
	ECE 351	3 ECE 352	4 ECE 353	
	CS 311	4 ECE 391	4 ECE 372	
	Bio+Lab	4 Perspective	3 ENGR 390	
		15 Total	15 Total	14 Total
Senior	ECE 441	2 ECE 442	2 ECE 443	
	ECE 472	4 ECE 476	4 ECE 477/CS 411	
	ECE 473	4 <i>(ECE 464/471/474)</i>	4 <i>Restricted Elective</i>	
	Perspective	3 <i>(ECE 464/471/474)</i>	4 Synthesis	
	DPD	3 Perspective	3 Synthesis	
		16 Total	17 Total	14 Total

Total Credits: 180

Track Description
The computer and network track addresses the issues related to architecture, programming, and communication of computing devices, which include computers, handheld devices, and sensors. Study of computer systems involves digital design, microcomputer architecture, and high-level and assembly language programming. Computer networking deals with the design of protocols that enable multiple computers/devices to communicate effectively over a wired or wireless medium.

MECOP Plan

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	WR 121*	3 Perspective	3 ECE 272	
		3 Lifetime Fitness	3 PH 211*	
	13 Total	17 Total	16 Total	0
Sophomore	MTH 256*	4 MTH 306*	4 MTH 255	
	PH 212*	4 PH 213*	4 WR 327	
	ENGR 201*	3 ENGR 202*	3 ENGR 203	
	COMM 111/114*	3 CS 162	4 CS 261	
			<i>Apply to Pro & MECOP</i>	
	14 Total	15 Total	14 Total	0
Junior	CS 311	4 ECE 322	4	
	ECE 351	3 ECE 352	4	
	ECE 375	4 ECE 353	3	MECOP Internship
	ENGR 390	3 ECE 372	4	MECOP Internship
	ENGR 407	1		
	15 Total	15 Total		
Senior	ECE 441	2 ECE 442	2 ECE 443	
	ECE 323	4 ECE 391	4 ECE 477/CS 411	
	DPD	3 ECE 476	4 <i>Restricted Elective</i>	MECOP Internship
	ECE 473	4 <i>(ECE 464/471/474)</i>	4 ECE 472	
	ENGR 407	1 Perspective	3 Perspective	
		14 Total	17 Total	15 Total
Senior		<i>(ECE 464/471/474)</i>	4	
	MECOP Internship	Bi+Lab	4	
		Perspective	3	
		Synthesis	3	
		Synthesis	3	
		17 Total		

Total Credits: 182

Employment
Employment opportunities include all electronics and software companies with computing and communication products.

Track Specific Courses
(#) = number of credits
Required (16)
CS 311
ECE 476
ECE 472
ECE 473
Restricted Electives (14);
Select at least three courses from:
CS 411
ECE 464
ECE 471
ECE 474
ECE 477
ECE 478

Bolded courses in Freshman and Sophomore years should be completed prior to beginning the professional program
Bolded and Italicized courses should be completed prior to first MECOP internship