

**Metropolitan State University of Denver**  
**Electrical Engineering Technology Major, B.S.: Communications Concentration**  
**Minor (not required):**  
**Fall 2013 Catalog**

<b>First Year</b>	<b>Suggested Course plan</b>	<b>Prerequisites</b>	<b>Alternative Course Plan</b>
<b>Fall: 13 credit hours</b>	EET 1001 (3) Electronics: An Introduction (F, S)	High school algebra	
	MTH 1400 (4) Pre-Calculus (F, S, Su)	Appropriate placement test scores or prerequisite courses	
	ENG 1010 (3) Freshman Composition: The Essay (F, S, Su)	Appropriate placement test score	
	SPE 1010 (3) Public Speaking (F, S, Su)		
<b>Spring: 16 credit hours</b>	EET 1140 (4) Circuits I (F, S)	Intermediate algebra course & one-half years of secondary school algebra or equivalent & appropriate math placement test scores or higher level math course with a grade of "C" or better	
	MTH 1410 (4) Calculus I (F, S, Su)	Appropriate placement test scores or prerequisite courses	
	ENG 1020 (3) Freshman Composition: Analysis, Research, & Documentation (F, S, Su)	ENG 1010	
	CHE 1100 (4) Principles of Chemistry AND CHE 1150 (1) Principles of Chemistry Laboratory (F, S, Su)	Minimum performance standard scores on placement tests	

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<b>Second Year</b>	<b>Suggested Course plan</b>	<b>Prerequisite</b>	<b>Alternative Course Plan</b>
<b>Fall: 16 credit hours</b>	EET 1150 (4) Circuits II (F, S)	EET 1140 and MTH 1120 or MTH 1400 or higher level math course with grades C or better	
	EET 2340 (3) Technical Programming Applications (F, S)	MTH 1400 or MTH 1110 & MTH 1120 or higher level math course with a grade C or better	
	MTH 2410 (4) Calculus II (F, S, Su)	MTH 1410 with a grade of C or better or permission of instructor	
	PHY 2311 (4) General Physics I AND PHY 2321 (1) General Physics I Laboratory (F, S, Su)	MTH 1410, ENG 1010, Oral Communication	
<b>Spring: 16 credit hours</b>	EET 2145 (4) Electronics (Students can take EET 290B lecture and EET 290C (must take at the same time) until curriculum changes) (F, S)	EET 1150 or EET 2000 & either CHE 1100 or 1800 with grades C or better	
	EET 2310 (3) Digital Circuits I (F, S)	Intermediate algebra course & one-half years of secondary school algebra or equivalent & appropriate math placement test scores or higher level math course with a grade of "C" or better	
	EET 2350 (3) Advanced Technical Programming (F, S)	MTH 1400 or MTH 1110 & MTH 1120 or higher level math course with a grade C or better	
	COM 2610 (3) Introduction to Technical Writing (F, S, Su)	ENG 1010	
	Arts and Humanities (3) (F, S, Su)		

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<b>Third Year</b>	<b>Suggested Course plan</b>	<b>Prerequisite</b>	<b>Alternative Course Plan</b>
<b>Fall: 16 credit hours</b>	EET 3620 (3) Analog and Digital Communications <b>(F)</b>	MTH 2410 and either EET 2145 or EET 3010 with grades C or better	
	EET 3410 (3) Electric Machines <b>(F)</b>	MTH 2410 and either EET 2145 or EET 3010 with grades C or better	
	EET 3110 (4) Circuit Analysis with Laplace <b>(F)</b>	EET 1150 & MTH 2410 with grades C or better	
	EET 3330 (3) Digital Circuits II <b>(F)</b>	EET 2310 with a grade C or better	
	Historical (3) HIS 1920, 3090, or 3590 are recommended (multicultural) <b>(F, S, Su)</b>		
			<b>TOTAL SEMESTER CREDIT HOURS:</b>
<b>Spring: 17 credit hours</b>	EET 3120 (4) Advanced Analog Electronics <b>(S)</b>	EET 2145, 3110, and MTH 2410 with grades C or better	
	EET 3630 (3) Electromagnetic Fields <b>(S)</b>	EET 3110, 3620 and MTH 2410 with grade C or better	
	EET 3730 (2) Process Control Systems <b>(S)</b>	High school algebra or equivalent or appropriate math placement test scores	
	EET 3740 (2) Programmable Logic Controllers <b>(S)</b>	High school algebra or equivalent	
	EET 4370 (3) Microcontrollers <b>(S)</b>	EET 2350 and 3330 with grades C or better	
	EET 4020 (3) Digital Circuits III-Hardware Description Language <b>(S)</b>	EET 2350 or permission of instructor & EET 3330 with grades C or better	
			<b>TOTAL SEMESTER CREDIT HOURS:</b>

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<b>Fourth Year</b>	<b>Suggested Course plan</b>	<b>Prerequisite</b>	<b>Alternative Course Plan</b>
<b>Fall: 17 credit hours</b>	PHI 1030 (3) Introduction to Ethics <b>OR</b> PHI 3360 (3) Business Ethics <b>(F, S, Su)</b>	At least Junior standing	
	EET 3715 (4) Control Systems Analysis <b>(F)</b>	EET 3110, 3120, and MTH 2410 with grade C or better	
	EET 4100 (1) Senior Project I <b>(F, S)</b>	COM 2610, EET 3120 and 4370 with grades C or better; Completion of general studies with a cumulative GPA of 2.0; Senior Standing	
	EET 4340 (3) Interface Techniques <b>(F)</b>	EET 3330 and 4370 with grade C or better	
	EET 3670 (3) Measurements for Communication Systems <b>(F)</b>	EET 2340, 3620, & MTH 2410 with grades C or better	
	EET 4320 (3) Digital Filters <b>(F)</b> <b>OR</b> 3-cr EET elective chosen in consultation with & approved by an EET advisor	EET 2340 & 3110 with grades C or better	
<b>Spring: 14 credit hours</b>	EET 4110 (2) Senior Project II <b>(F, S)</b>	SPE 1010, EET 4100 and 4340 with grades C or better	
	EET 4620 (3) Advanced Communications Systems <b>(S)</b>	EET 3620 with grade C or better	
	Elective (3): must select one: CET 3120, 3280; CS 3700; EET 1300, 3800, 4320, 4630, or 4730	See catalog or department	
	Social & Behavioral Science I (3) IND 2810 recommended (global diversity) <b>(F, S, Su)</b>		
	Social & Behavioral Science II (3) <b>(F, S, Su)</b>		
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