

## Bachelor of Science in Engineering Technology: Electronics Emphasis Worksheet & Pre-Requisites — 2017-18

Course #	Course title	Cr	Offered	Pre-requisites
<b>CORE (25 hrs)</b>				
CSIS 1400	Fundamentals of Programming	3	F/S	MATH 1050
COMM 4240	Technical Writing	3	F/S/Su	
EET 4960	Capstone Project for EET	3	S	EET 1700, 2700, 2780 & 3760
MGMT 3180	Management & Organizations	3	F/S	Jr standing/Advisor must sign in
MATH 1210 or MATH 1100	Calculus I or Applied Calculus	4/3	F/S/Su	MATH 1050 & 1060/MATH 1050
PHYS 2010	College Physics	4	F	MATH 1060
PHYS 2015	College Physics Lab	1	F	Co Req PHYS 2010
<b>EET Composite (48 hrs)</b>				
CCET 1030	Introduction to CAD/CAM 3D Design	3	F/S	
CSIS 1410	Object Oriented Programming	3	F/S	CSIS 1400
CSIS 2420	Intro to Algorithms & Data Structures	3	F	CSIS 1410
CSIS 2600	Data Communications & Networking	3	F/S	
CSIS 2810	Computer Organization & Architecture	3	S	EET 2780
EET 1700	Circuit Analysis I	3	F	pre/co-req: MATH 1050
EET 1730	Electronic Devices I	3	F	EET 2700
EET 2700	Circuit Analysis II	3	S	EET 1700 & MATH 1210
EET 2710	Electronic Devices II	3	S-even	EET 1730
EET 2750	PC Hardware	3	F/S	
EET 2760	Industrial Control Systems	3	S-even	
EET 2780	Digital Electronics I	3	F	Math 1050
EET 3080	Digital Electronics II	3	S-even	EET 2710 & 2780
EET 3710	Op-Amps & Linear Integrated Circuits	3	S-odd	MATH 1210, EET 2710 & 2780
EET 3760	Electronic Design & Fabrications	3	F	
EET 3780	Applications of Microprocessors	3	F	EET 2780
<b>Technology electives (6 hrs. from list below)</b>				
CSIS 2620	Network Administration I	3	F	CISI 1000, CSIS 2600
CSIS 3150	C & C++ Programming	3	F	CSIS 2420
CSIS 3600	Operating Systems	3	S	CSIS 2420
EET 3720	Communication Circuits	3	S-odd	EET 2710 & 3710 (or 3710 co-req)
EET 3790	Computer Interfacing	3	S-odd	EET 2780
<b>Upper Division electives to total 40</b>		<b>Need at least 11 more UD credits</b>	<b>11</b>	
<b>Free Electives to total 120 credits</b>				
<b>Required Pre-Requisites:</b>				
MATH 1060	Trigonometry	3	F/S/Su	MATH 1010
<b>University EDGE requirement</b>				
EDGE 1010	Becoming an Engaged Learner	1	F/S/Su	
EDGE 30XX	Project Proposal and Planning	1	F/S/Su	EDGE 1010
EDGE 40XX	Project Reporting and Reflection	1	F/S/Su	EDGE 30XX
<b>GENERAL EDUCATION</b>				
ENGL 1010	Intro to Academic Writing	3	F/S/Su	English ACT score of 17 or higher
ENGL 2010	Intermediate Writing	3	F/S/Su	ENGL 1010 or ACT 29 or higher
MATH 1050	College Algebra	4	F/S/Su	C or better in MATH 1010 or ACT 23
LM 1010	Information Literacy	1	F/S/Su	
American Institution		3	F/S/Su	
CSIS 1000	Intro to Computer Applications	3	F/S/Su	
FINE ARTS:		3	F/S/Su	
<b>*HUMANITIES: HSS 1120</b>	<b>Introduction to Diversity</b>	3	F/S/Su	
SOCIAL SCIENCE		3	F/S/Su	
LIFE SCIENCE		3	F/S/Su	
<b>*PHYS. SCI.: PHYS 2010/15</b>	<b>College Physics /Lab</b>	5	F	MATH 1060