

## BS Electrical ET Course Rotation

	A	B	C	D	E	F
1		<b>MAJOR CORE REQUIREMENTS</b>				
2	<b>Course #</b>	<b>Course Name</b>	<b>Fall Even Years</b>	<b>Spring Odd Years</b>	<b>Fall Odd Years</b>	<b>Spring Even Years</b>
3	ENGT 1000	Introduction to Engineering and Engineering technology	X	X	X	X
4	ENGT 1020	Computer Aided drafting & Design	X	X	X	X
5	ENGT 1200	Applied Mathmatics for Engineering Technology		X		X
6	ENGT 1400	Applied Calculus for Engineering Technology		X		X
7	ENGT 2000	Manufacturing Processes	X	X	X	X
8	ENGT 2010	DC Circuits and Applications	X		X	
9	ENGT 2020	Robotics Fundamentals	X	X	X	X
10	ENGT 2030	AC Circuits and Applications	X	X	X	X
11	ENGT 2730	Introduction Into Solid Modeling	X	X	X	X
12	ENGT 3000	Materials Science	X		X	
13	ENGT 3010	Engineering Economics	X	X	X	X
14	ENGT 3020	Statics and Strenght of Materials	X		X	
15	ENGT 3030	Thermodynamics		X		X
16	ENGT 3040	Power Transfer Technology	X	X	X	X
17	ENGT 3050	Problem Solving in Engineering Technology	X		X	
18						
19		<b>CONCENTRATION REQUIREMENTS</b>				
20	ENGT 2200	Electronics Fundamentals I	X		X	
21	ENGT 2220	Digital Design I	X		X	
22	ENGT 2240	Electronic Fundamentals II	X		X	
23	ENGT 2250	Digital Design II	X		X	
24	ENGT 2260	Microcontrollers		X		X
25	ENGT 3290	Communication Systems		X		X
26	ENGT 4150	Programmable Logic Controls		X		X
27	ENGT 4840	Linear Electronics		X		X
28	ENGT 4885	Electrical Capstone		X		X
29						
30		<b>CONCENTRATION GUIDED ELECTIVES</b>				
31	ENGT 3100	Robotic Applications	X		X	
32	ENGT 3130	Additive Manufacturing Technology	X		X	
33	ENGT 4210	Industrial Automated Systems (Control Systems)		X		X
34	ENGT 3190	Reverse Engineering and 3D Laser scanning	As needed	As needed	As needed	As needed

## BS Manufacturing ET Course Rotation

	A	B	C	D	E	F
1		<b>MAJOR CORE REQUIREMENTS</b>				
2	<b>Course #</b>	<b>Course Name</b>	<b>Fall Even Years</b>	<b>Spring Odd Years</b>	<b>Fall Odd Years</b>	<b>Spring Even Years</b>
3	ENGT 1000	Introduction to Engineering and Engineering technology	X	X	X	X
4	ENGT 1020	Computer Aided drafting & Design	X	X	X	X
5	ENGT 1200	Applied Mathmatics for Engineering Technology		X		X
6	ENGT 1400	Applied Calculus for Engineering Technology		X		X
7	ENGT 2000	Manufacturing Processes	X	X	X	X
8	ENGT 2010	DC Circuits and Applications	X		X	
9	ENGT 2020	Robotics Fundamentals	X	X	X	X
10	ENGT 2030	AC Circuits and Applications	X	X	X	X
11	ENGT 2730	Introduction Into Solid Modeling	X	X	X	X
12	ENGT 3000	Materials Science	X		X	
13	ENGT 3010	Engineering Economics	X	X	X	X
14	ENGT 3020	Statics and Strenght of Materials	X		X	
15	ENGT 3030	Thermodynamics		X		X
16	ENGT 3040	Power Transfer Technology	X	X	X	X
17	ENGT 3050	Problem Solving in Engineering Technology	X		X	
18						
19		<b>CONCENTRATION REQUIREMENTS</b>				
20	ENGT 3130	Additive Manufacturing Technology	X		X	
21	ENGT 3610	Productions/Operations Manangement	X		X	
22	ENGT 3650	Statistical Quality Control	X		X	
23	ENGT 3850	Manufacturing Processes II	X		X	
24	ENGT 4150	Programmable Logic Controls		X		X
25	ENGT 4210	Industrial Automated Systems		X		X
26	ENGT 4810	Advanced Manufacturing Processes		X		X
27	ENGT 4850	Computer Integrated Manufacturing		X		X
28	ENGT 4890	Manufacturing Capstone		X		X
29						
30		<b>CONCENTRATION GUIDED ELECTIVES</b>				
31	ENGT 3100	Robotic Applications			X	
32	ENGT 3840	Dynamics		X		X
33	ENGT 4730	Applied Solid Modeling		X		X
34	ENGT 4800	Machine Design		X		X
35	ENGT 4710	Fluid Mechanics	X		X	
36	ENGT 4130	Additive Manufacturing Applications	As needed	As needed	As needed	As needed
37	ENGT 3810	Plastics Manufacturing Technology	As needed	As needed	As needed	As needed
38	ENGT 3830	Metals Manufatcuring	As needed	As needed	As needed	As needed

## BS Mechatronics ET Course Rotation

	A	B	C	D	E	F
1		<b>MAJOR CORE REQUIREMENTS</b>				
2	<b>Course #</b>	<b>Course Name</b>	<b>Fall Even Years</b>	<b>Spring Odd Years</b>	<b>Fall Odd Years</b>	<b>Spring Even Years</b>
3	ENGT 1000	Introduction to Engineering and Engineering technology	X	X	X	X
4	ENGT 1020	Computer Aided drafting & Design	X	X	X	X
5	ENGT 1200	Applied Mathmatics for Engineering Technology		X		X
6	ENGT 1400	Applied Calculus for Engineering Technology		X		X
7	ENGT 2000	Manufacturing Processes	X	X	X	X
8	ENGT 2010	DC Circuits and Applications	X		X	
9	ENGT 2020	Robotics Fundamentals	X	X	X	X
10	ENGT 2030	AC Circuits and Applications	X	X	X	X
11	ENGT 2730	Introduction Into Solid Modeling	X	X	X	X
12	ENGT 3000	Materials Science	X		X	
13	ENGT 3010	Engineering Economics	X	X	X	X
14	ENGT 3020	Statics and Strenght of Materials	X		X	
15	ENGT 3030	Thermodynamics		X		X
16	ENGT 3040	Power Transfer Technology	X	X	X	X
17	ENGT 3050	Problem Solving in Engineering Technology	X		X	
18						
19		<b>CONCENTRATION REQUIREMENTS</b>				
20	MET 2100	Process Control Technologies		X		X
21	MET 3200	Industrial Totally Integrated Automation	X		X	
22	MET 3300	Advanced Automation		X		X
23	MET 3400	Electromechanical Power	X		X	
24	MET 3500	Machine Dynamics		X		
25	MET 3600	Integrated Manufacturing				X
26	MET 4100	Project and Process Management	X		X	
27	MET 4160	Mechatronics Capstone Project		X		X
28						
29		<b>CONCENTRATION GUIDED ELECTIVES</b>				
30	MET 1100	Electrical Components	As needed	As needed	As needed	As needed
31	MET 1200	Mechanical Components and Electrical Drives		X		X
32	MET 1300	Electro Pneumatic and Hydraulic Control Circuits	X		X	
33	MET 1500	Digital Fundamentals and Programmable Logic Controllers	x		x	
34	MET 2300	Automation Systems	As needed	As needed	As needed	As needed
35	MET 2500	Mechanics and Machine Elements	As needed	As needed	As needed	As needed

### BS Mechanical ET Course Rotation

	A	B	C	D	E	F
1		<b>MAJOR CORE REQUIREMENTS</b>				
2	<b>Course #</b>	<b>Course Name</b>	<b>Fall Even Years</b>	<b>Spring Odd Years</b>	<b>Fall Odd Years</b>	<b>Spring Even Years</b>
3	ENGT 1000	Introduction to Engineering and Engineering technology	X	X	X	X
4	ENGT 1020	Computer Aided drafting & Design	X	X	X	X
5	ENGT 1200	Applied Mathmatics for Engineering Technology		X		X
6	ENGT 1400	Applied Calculus for Engineering Technology		X		X
7	ENGT 2000	Manufacturing Processes	X	X	X	X
8	ENGT 2010	DC Circuits and Applications	X		X	
9	ENGT 2020	Robotics Fundamentals	X	X	X	X
10	ENGT 2030	AC Circuits and Applications	X	X	X	X
11	ENGT 2730	Introduction Into Solid Modeling	X	X	X	X
12	ENGT 3000	Materials Science	X		X	
13	ENGT 3010	Engineering Economics	X	X	X	X
14	ENGT 3020	Statics and Strenght of Materials	X		X	
15	ENGT 3030	Thermodynamics		X		X
16	ENGT 3040	Power Transfer Technology	X	X	X	X
17	ENGT 3050	Problem Solving in Engineering Technology	X		X	
18						
19		<b>CONCENTRATION REQUIREMENTS</b>				
20	ENGT 3840	Dynamics		X		X
21	ENGT 3880	Energy Conversion		X		X
22	ENGT 4150	Programmable Logic Controls		X		X
23	ENGT 4710	Fluid Mechanics	X		X	
24	ENGT 4730	Applied Solid Modeling		X		X
25	ENGT 4800	Machine Design		X		X
26	ENGT 4880	Refrigeration Machines and Power Systems	X		X	
27	ENGT 4895	Mechanical capstone		X		X
28						
29		<b>CONCENTRATION GUIDED ELECTIVES</b>				
30	ENGT 3100	Robotic Applications	X		X	
31	ENGT 3130	Additive Manufacturing Technology	X		X	
32	ENGT 3610	Productions/Operations Manangement	X		X	
33	ENGT 3850	Manufacturing Processes II	X		X	
34	ENGT 4210	Industrial Automated Systems		X		X
35	ENGT 4810	Advanced Manufacturing Processes		X		X
36	ENGT 3190	Reverse Engineering and 3D Laser scanning	As needed	As needed	As needed	As needed
37	ENGT 3650	Statistical Quality Control	As needed	As needed	As needed	As needed
38	ENGT 3810	Plastics Manufacturing Technology	As needed	As needed	As needed	As needed
39	ENGT 3830	Metals Manufatcuring	As needed	As needed	As needed	As needed
40	ENGT 3860	Geometric Dimensioning And Tolerancing	As needed	As needed	As needed	As needed
41	ENGT 4130	Additive Manufacturing Applications	As needed	As needed	As needed	As needed
42	ENGT 4820	Vibrations and Noise in Mechanical Systems	As needed	As needed	As needed	As needed
43	ENGT 4850	Computer Integrated Manufacturing		X		X

## AAS Electronics ET Course Rotation

	A	B	C	D	E	F
1		<b>MAJOR CORE REQUIREMENTS</b>				
2	<b>Course #</b>	<b>Course Name</b>	<b>Fall Even Years</b>	<b>Spring Odd Years</b>	<b>Fall Odd Years</b>	<b>Spring Even Years</b>
3	ENGT 1000	Introduction to Engineering and Engineering technology	X		X	
4	ENGT 1020	Computer Aided drafting & Design	X		X	
5	ENGT 1200	Applied Mathematics for Engineering Technology		X		X
6						
7		<b>CONCENTRATION REQUIREMENTS</b>				
8	ENGT 1400	Applied Calculus for Engineering Technology		X		X
9	ENGT 2000	Manufacturing Processes	X	X	X	X
10	ENGT 2010	DC Circuits and Applications	X		X	
11	ENGT 2020	Robotics Fundamentals	X	X	X	X
12	ENGT 2030	AC Circuits and Applications	X	X	X	X
13	ENGT 2200	Electronics Fundamentals I	X		X	
14	ENGT 2220	Digital Design I	X		X	
15	ENGT 2240	Electronic Fundamentals II	X		X	
16	ENGT 2250	Digital Design II	X		X	
17	ENGT 2260	Microcontrollers		X		X