

B.S. in Technology | Mechatronics Engineering Technology

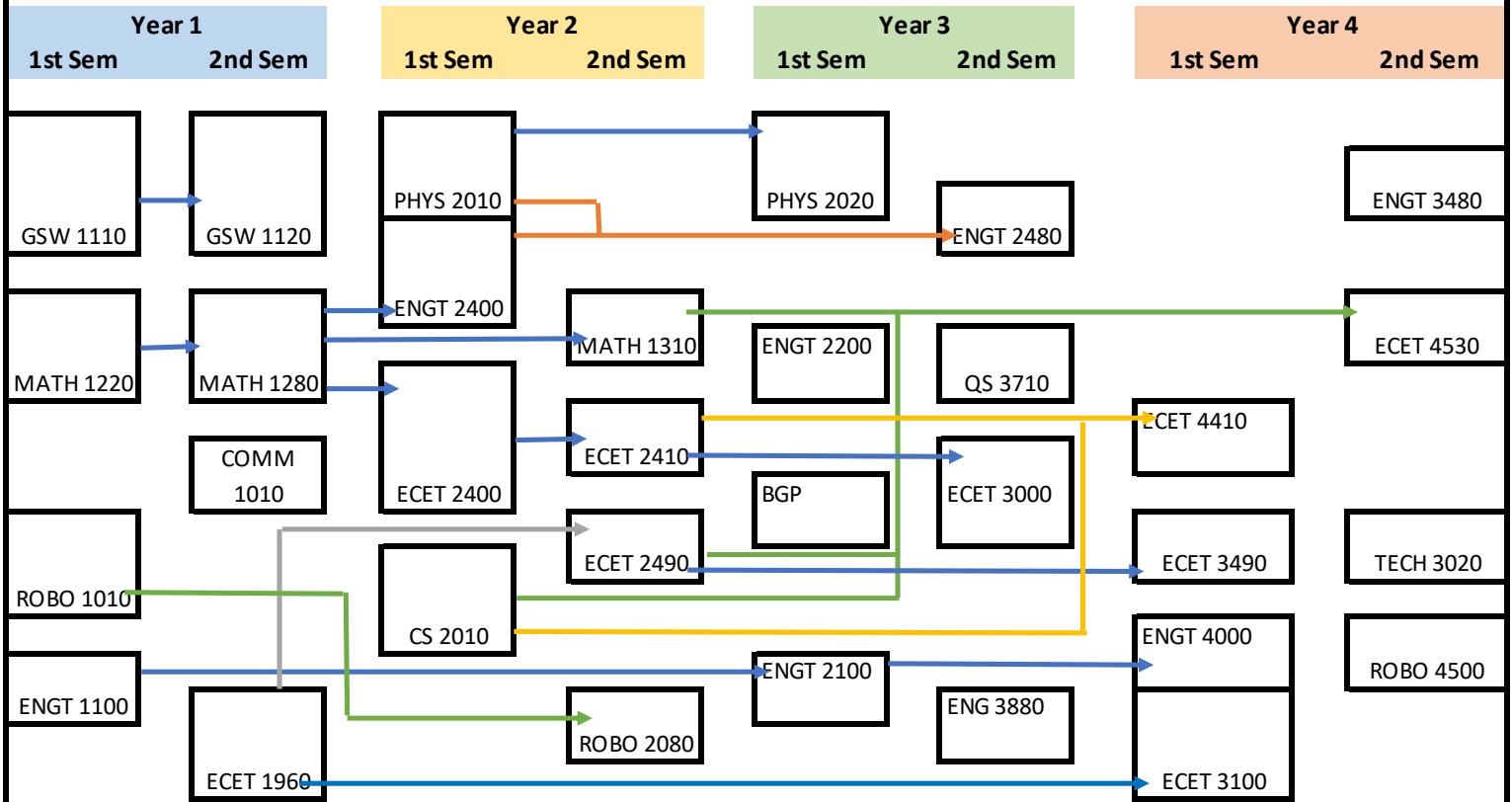
Name: _____ ID: _____ Advisor: _____ Date: Spring 2021
 This is not an official graduation plan but a tool to use along with your audit and check-sheet
 Assuming a math placement of 1220, a GSW placement of 1110, and 2 years of high school language

	Course Number	Credit Hours	Semester Taken	Grade Earned	Course Name	Prerequisites/Advisor Notes	Course Offering		
							Fall	Spring	Summer
First Year	Fall	GSW 1110	3	_____	Introduction to Academic Writing		√	√	
		ENGT 1100	3	_____	Introduction to CAD		√	√	
		BGP	3	_____	Humanities and the Arts		√	√	
		ROBO 1010	3	_____	Sensors and Actuators		√		
		MATH 1220	3	_____	College Algebra		√	√	√
		Semester Total	15						
First Year	Spring	GSW 1120	3	_____	Academic Writing	GSW 1110	√	√	√
		ECET 1960	3	_____	Electrical-Electronics Systems		√	√	
		MATH 1280	5	_____	Precalculus Math	MATH 1220	√	√	√
		COMM 1020	3	_____	Intro to Public Speaking		√	√	
		Semester Total	14						
Summer	TECH 2890	4	_____	Co-op		√	√	√	
	First Year Total	33							
Second Year	Fall	CS 2010	3	_____	Programming Fundamentals		√	√	
		ECET 2400	3	_____	Electric Circuits	MATH 1280	√		
		PHYS 2010	5	_____	College Physics I		√	√	√
		ENGT 2400	3	_____	Statics	MATH 1280 or MATH 1300 or MATH 1310 or both MATH 1340 & MATH 1350	√		
		Semester Total	14						
	Spring	ECET 2410	3	_____	Electronic Circuits	ECET 2400			√
	ECET 2490	3	_____	Digital Elec Comm & Systems	ECET 1910 or ECET 1960			√	
	MATH 1310	5	_____	Calculus & Analytic Geometry	MATH 1280, MATH 1290 or MATH 1300	√	√	√	
	ROBO 2080	3	_____	Industrial Robotics & Automation	ROBO 1010		√	√	
	Semester Total	14				√	√	√	
Summer	TECH 3890	4	_____	Co-op		√	√	√	
	Second Year Total	32							
Third Year	Fall	ENGT 2100	3	_____	Solid Modeling	ENGT 1100	√		
		BGP	3	_____	H&A/Cult Diversity		√	√	√
		PHYS 2020	5	_____	College Physics II	PHYS 2010	√	√	√
		ENGT 2200	3	_____	Metallic Materials & Processing		√		
		Semester Total	14						
	Spring	ECET 3000	3	_____	Electrical Machinery	ECET 2410			√
	ENGT 2480	3	_____	Dynamics				√	
	QS 3710	3	_____	Six Sigma Systems	MATH 1150 or STAT 2000		√	√	
	ENG 3880	3	_____	Introduction Technical Writing		√	√	√	
	ELECTIVE	3	_____	Econ 2000 recommended		√	√	√	
	Semester Total	15							
Summer	TECH 4890	4	_____	Co-op		√	√	√	
	Third Year Total	33							
Fourth Year	Fall	ECET 3490	3	_____	Digital Comp Analysis	ECET 2490	√		
		ECET 3100	3	_____	Programmable Logic Controllers	ECET 1960	√	√	
		ECET 4410	3	_____	Instrumentation	ECET 2410 & CS 2010	√		
		ENGT 4000	3	_____	Adv Simulation and Analysis	ENGT 2100	√		
		ELECTIVE	3	_____			√	√	√
		Semester Total	15						
Spring	TECH 3020	3	_____	Tech Systems in Society		√	√	√	
	ENGT 3480	3	_____	Thermodynamics			√	√	
	ROBO 4500	3	_____	Senior Design Project			√	√	
	ECET 4530	3	_____	Digital Computer Controls	MATH 1310, CS 2010 & ECET 2490 or CS 2170		√	√	
	Semester Total	12							
	Fourth Year Total	27							

DEGREE TOTAL 125

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Course Sequence Flowchart with Prerequisites (Excluding Co-ops)



Program Planning - The student, in cooperation with an advisor, should use a Program Guide and the corresponding undergraduate catalog to plan a complete program. Any problem which arises in connection with a particular Program Guide should be referred to the student's advisor.

Matriculation

Full admittance to major in a College of Technology, Architecture and Applied Engineering program becomes effective when a student has:

1. Attained an overall BGSU GPA of at least 2.25 for all courses taken prior to applying for matriculation and a 2.5 in courses in the major;
2. Complete a cooperative educ. experience-Tech 2890(Aviation, Architecture, LDT and QS majors are exempt from this requirement);
3. Completed with a grade of "C" or better in all bold courses, as specified on program checksheets;
4. Applied for matriculation. Applications are available from the Undergraduate Student Services Offices website.

The steps listed above must be completed before students will be permitted to register for 3000 and 4000 level coursesEngineering in the College of Technology, Architecture and Applied

Co-op

All students in the College are required to complete 2-3 co-ops, depending on your major. THIS IS A COURSE. It carries credit and is graded. or part-time(20hrs/week for two consecutive semesters, paid and must be directly related to your major. All students MUST complete the Co-op Orientation available in Canvas.