

Study Plan for B.S.E., *PRODUCT DESIGN & MANUFACTURING ENGINEERING* Major

Student Name: _____

(2017-18 Catalog) (MTH 122 Placement - 5 Year Program)

Minor: _____

Student ID#: *G* _____

1st Year	1st Semester: Fall_____						Credits	Grade	Semester Completed	2nd Semester: Winter _____						Credits	Grade	Semester Completed	Semester: S/S _____						Credits	Grade	Semester Completed
	MTH 122 College Algebra			3	_____	_____	MTH 123 Trigonometry			3	_____	_____	_____			_____	_____	_____			_____	_____	_____				
	* WRT 150 Writ Strategies			4	_____	_____	* CHM 115 Chemistry I			4	_____	_____	_____			_____	_____	_____			_____	_____	_____				
	^ EGR 100 Intro to Engrg			1	_____	_____	GE - Hist _____			3	_____	_____	_____			_____	_____	_____			_____	_____	_____				
	GE - Arts _____			3	_____	_____	GE - LS _____			3	_____	_____	_____			_____	_____	_____			_____	_____	_____				
• GE-SBS _____			3	_____	_____																						
2nd Year	3rd Semester: Fall_____						Credits	Grade	Semester Completed	4th Semester: Winter _____						Credits	Grade	Semester Completed	Semester: S/S _____						Credits	Grade	Semester Completed
	* MTH 201 Calculus I			4	_____	_____	* MTH 202 Calculus II			4	_____	_____	_____			_____	_____	_____			_____	_____	_____				
	* EGR 106 Intro to Egr Design I			3	_____	_____	* EGR 107 Intro to Egr Design II			3	_____	_____	_____			_____	_____	_____			_____	_____	_____				
	% ECO 210/211 Economics			3	_____	_____	* PHY 230 Physics I			5	_____	_____	_____			_____	_____	_____			_____	_____	_____				
	# GE - WP _____			3	_____	_____	* STA 220 Engrg Statistics			2	_____	_____	_____			_____	_____	_____			_____	_____	_____				
						* EGR 220 Engrg Stats Lab			1	_____	_____																
3rd Year	5th Semester: Fall_____						Credits	Grade	Semester Completed	6th Semester: Winter _____						Credits	Grade	Semester Completed	Semester: S/S _____						Credits	Grade	Semester Completed
	* MTH 203 Calculus III			4	_____	_____	* MTH 302 Lin Alg & DEQ			4	_____	_____	_____			_____	_____	EGR 290 Engrg Co-op I			3	_____	_____				
	+ * PHY 234/1 Physics II			4/5	_____	_____	* EGR 309 Mach Design I			4	_____	_____	_____			_____	_____	_____			_____	_____	_____				
	* EGR 209 Mech & Mach			4	_____	_____	* EGR 250 Mat Sci & Engrg			4	_____	_____	_____			_____	_____	_____			_____	_____	_____				
	* EGR 226 MicroCtrl Pgm Appl			4	_____	_____	* EGR 214 Circuit Analysis I			4	_____	_____	_____			_____	_____	_____			_____	_____	_____				
* EGR 289 Engrg Co-op Prep			1	_____	_____																						
4th Year	7th Semester: Fall_____						Credits	Grade	Semester Completed	Semester: Winter _____						Credits	Grade	Semester Completed	8th Semester: S/S _____						Credits	Grade	Semester Completed
	EGR 301 Fund Prod Des			4	_____	_____	EGR 390 Engrg Co-op II (sws)			3	_____	_____	_____			_____	_____	EGR 362 Thermo-Fluid Sy			4	_____	_____				
	EGR 345 Dyn Sys Mod			4	_____	_____	GE - Issue _____			3	_____	_____	_____			_____	_____	EGR 440 Prod'n Models			3	_____	_____				
	EGR 367 Mfg Processes			4	_____	_____							PDM Elec _____			4	_____	_____	_____			_____	_____				
	GE - Issue _____			3	_____	_____							@ GE - P & L (PHI 102 Ethics)			3	_____	_____	_____			_____	_____				
5th Year	Semester: Fall_____						Credits	Grade	Semester Completed	9th Semester: Winter _____						Credits	Grade	Semester Completed	10th Semester: S/S _____						Credits	Grade	Semester Completed
	EGR 490 Engrg Co-op III			3	_____	_____	EGR 401 Adv Prod Design			4	_____	_____	_____			_____	_____	EGR 486 Sr Project II			2	_____	_____				
							EGR 450 Mfg Controls			4	_____	_____	_____			_____	_____	PDM Elec _____			4	_____	_____				
							EGR 485 Sr Project I			1	_____	_____	_____			_____	_____	GE - US _____			3	_____	_____				
							PDM Elec _____			4	_____	_____	_____			_____	_____										

PCEC Student Services: (616)331-6025

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Engineering Foundation course
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Students may enroll in PHY 231 instead of PHY 234
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Not required, but strongly recommended for success
- Consider taking a course that doubles as SBS and US (See Gen Ed guide for selections)
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Consider taking a course that doubles as WP and Issue (See Gen Ed guide for selections)
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An ethics course is required in the engineering program (PHI 102 or another ethics course in General Education).
Consider taking PHI 102 as an SWS
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ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS Gen Ed requirement.

Secondary Admissions Criteria:

- A GPA of 2.7 or above in the Engineering Foundation courses
- Completion of each course in the Engineering Foundation with a grade of C (2.0) or above, **with no more than one repeat**
- Completion of preparation for placement in the cooperative engineering education, EGR 289

Recommendation:

It is strongly encouraged that students do not begin or break a curriculum thread by taking courses at other institutions; e.g., take the MTH 201 equivalent elsewhere, return to GV and continue in the math thread with MTH 202.