

Study Plan for B.S.E., INTERDISCIPLINARY ENGINEERING & Engineering Management emphasis

Student Name: \_\_\_\_\_

(2019-20 Catalog) (MTH 122 Placement - 5 Year Program)

Minor: \_\_\_\_\_

Student ID#: G

	<b>1st Semester: Fall</b> _____	Credits	Grade	Semester Completed	<b>2nd Semester: Winter</b> _____	Credits	Grade	Semester Completed	<b>Semester: S/S</b> _____	Credits	Grade	Semester Completed
<b>1st Year</b>	MTH 122 College Algebra * WRT 150 Writ Strategies ^ EGR 100 Intro to Engrg GE - Arts _____ • GE-SBS _____	3 4 1 3 3	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	MTH 123 Trigonometry * CHM 115 Chemistry I GE - HP _____ GE - LS _____	3 4 3 3	_____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____
<b>2nd Year</b>	<b>3rd Semester: Fall</b> _____	Credits	Grade	Semester Completed	<b>4th Semester: Winter</b> _____	Credits	Grade	Semester Completed	<b>Semester: S/S</b> _____	Credits	Grade	Semester Completed
	* MTH 201 Calculus I * EGR 106 Intro to Egr Design I % ECO 210/211 Economics @ GE - P & L (PHI 102 Ethics)	4 3 3 3	_____ _____ _____ _____	_____ _____ _____ _____	* MTH 202 Calculus II * EGR 107 Intro to Egr Design II * PHY 230 Physics I * STA 220 Statistical Modeling * EGR 220 Measure/Data Analysis	4 3 5 2 1	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
<b>3rd Year</b>	<b>5th Semester: Fall</b> _____	Credits	Grade	Semester Completed	<b>6th Semester: Winter</b> _____	Credits	Grade	Semester Completed	<b>Semester: S/S</b> _____	Credits	Grade	Semester Completed
	* MTH 203 Calculus III + * PHY 234/1 Physics II * EGR 209 Mech & Mach * EGR 226 MicroCtrl Pgm Appl * EGR 289 Engrg Co-op Prep	4 4/5 4 4 1	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	* MTH 302 Lin Alg & DEQ * EGR 309 Machine Design I * EGR 250 Material Sci & Egr * EGR 214 Circuit Analysis I	4 4 4 4	_____ _____ _____ _____	_____ _____ _____ _____	EGR 290 Engrg Co-op I	3	_____ _____	_____ _____
<b>4th Year</b>	<b>7th Semester: Fall</b> _____	Credits	Grade	Semester Completed	<b>Semester: Winter</b> _____	Credits	Grade	Semester Completed	<b>8th Semester: S/S</b> _____	Credits	Grade	Semester Completed
	EGR 345 Dyn Sys Mod EGR 367 Mfg Processes ACC 212 Principles of Fin Acc BUS 201 Legal Env for Bus	4 4 3 3	_____ _____ _____ _____	_____ _____ _____ _____	EGR 390 Engrg Co-op II (SWS)	3	_____ _____	_____ _____	EGR 362 Thermo-Fluids EGR 440 Production Models EGR 441 Engrg Econ/QC/Mfg Ops ACC 213 Principles of Mgr Acc	4 3 4 3	_____ _____ _____ _____	_____ _____ _____ _____
<b>5th Year</b>	<b>Semester: Fall</b> _____	Credits	Grade	Semester Completed	<b>9th Semester: Winter</b> _____	Credits	Grade	Semester Completed	<b>10th Semester: S/S</b> _____	Credits	Grade	Semester Completed
	EGR 490 Engrg Co-op III	3	_____ _____	_____ _____	EGR 485 Sr Project I FIN 320 Managerial Fin MGT 331 Concepts of Mgt GE - Issue _____ GE - US _____	1 3 3 3 3	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	EGR 486 Sr Project II MKT 350 Marketing MGT # GE - GP _____ GE - Issue _____	2 3 3 3	_____ _____ _____ _____	_____ _____ _____ _____

PCEC Student Services: (616)331-6025

- \* Engineering Foundation course
- + Students may enroll in PHY 231 instead of PHY 234
- ^ Not required, but strongly recommended for success
- Consider taking a course that doubles as SBS and US (See Gen Ed guide for selections)
- # Consider taking a course that doubles as GP and Issue (See Gen Ed guide for selections)
- @ An ethics course is required in the engineering program (PHI 102 or another ethics course in General Education).
- % 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.