

Mechanical Concentration Guideline

	FIRST	YEAR _	
FALL		<u>SPRING</u>	
CHEM 105 Chemistry	4	MATH 112 Calculus II	4
MATH 111 Calculus I	4	PHYS 211 General Physics I	4
ENGR 102 Intro to Engineering	2	ENGR 101 Engineering Graphics	2
IDFY 101 First Year Seminar	3	ENGR 236 Circuit I	4
General Education	3	IDCR 151 Created & Called for Community	3
	16		17
		ENGR 201 Group Orientation*	
	SECON	D YEAR	
<u>FALL</u>		<u>SPRING</u>	
MATH 211 Calculus III	4	MATH 308 Differential Equations	3
MATH 261 Linear Algebra	3	ENGR 201 Group Orientation	1
PHYS 212 General Physics II	4	ENGR 232 Engineering Dynamics	3
ENGR 231 Engineering Statics	3	ENGR 242 Experimental Methods	3
General Education	3	ENGR 254 Materials Engineering	4
	17	Physical Fitness	1
		General Education	3
			18
	THIRD	YEAR	18
<u>FALL</u>	<u>THIRD</u>	YEAR SPRING	18
<u>FALL</u> ENGR 288 Project I	THIRD		18
		<u>SPRING</u>	
ENGR 288 Project I	1	SPRING ENGR 290 Engineering Economics	2
ENGR 288 Project I ENGR 301 Seminar I	1	SPRING ENGR 290 Engineering Economics ENGR 302 Seminar II	2
ENGR 288 Project I ENGR 301 Seminar I ENGR 333 Mechanics of Materials	1 1 3	SPRING ENGR 290 Engineering Economics ENGR 302 Seminar II ENGR 372 Fluid Mechanics	2 1 4
ENGR 288 Project I ENGR 301 Seminar I ENGR 333 Mechanics of Materials ENGR 371 Thermodynamics	1 1 3 3	SPRING ENGR 290 Engineering Economics ENGR 302 Seminar II ENGR 372 Fluid Mechanics ENGR 381 Mechanical Design	2 1 4 3
ENGR 288 Project I ENGR 301 Seminar I ENGR 333 Mechanics of Materials ENGR 371 Thermodynamics ENGR 373 Instrum. & Measurement	1 1 3 3 3	SPRING ENGR 290 Engineering Economics ENGR 302 Seminar II ENGR 372 Fluid Mechanics ENGR 381 Mechanical Design ENGR 388 Project II	2 1 4 3 1
ENGR 288 Project I ENGR 301 Seminar I ENGR 333 Mechanics of Materials ENGR 371 Thermodynamics ENGR 373 Instrum. & Measurement PHED 101 Intro. to Wellness	1 1 3 3 3 2	SPRING ENGR 290 Engineering Economics ENGR 302 Seminar II ENGR 372 Fluid Mechanics ENGR 381 Mechanical Design ENGR 388 Project II	2 1 4 3 1 6
ENGR 288 Project I ENGR 301 Seminar I ENGR 333 Mechanics of Materials ENGR 371 Thermodynamics ENGR 373 Instrum. & Measurement PHED 101 Intro. to Wellness	1 1 3 3 3 2 3	SPRING ENGR 290 Engineering Economics ENGR 302 Seminar II ENGR 372 Fluid Mechanics ENGR 381 Mechanical Design ENGR 388 Project II General Education	2 1 4 3 1 6
ENGR 288 Project I ENGR 301 Seminar I ENGR 333 Mechanics of Materials ENGR 371 Thermodynamics ENGR 373 Instrum. & Measurement PHED 101 Intro. to Wellness	1 1 3 3 3 2 2 3	SPRING ENGR 290 Engineering Economics ENGR 302 Seminar II ENGR 372 Fluid Mechanics ENGR 381 Mechanical Design ENGR 388 Project II General Education	2 1 4 3 1 6
ENGR 288 Project I ENGR 301 Seminar I ENGR 333 Mechanics of Materials ENGR 371 Thermodynamics ENGR 373 Instrum. & Measurement PHED 101 Intro. to Wellness General Education	1 1 3 3 3 2 2 3	SPRING ENGR 290 Engineering Economics ENGR 302 Seminar II ENGR 372 Fluid Mechanics ENGR 381 Mechanical Design ENGR 388 Project II General Education	2 1 4 3 1 6
ENGR 288 Project I ENGR 301 Seminar I ENGR 333 Mechanics of Materials ENGR 371 Thermodynamics ENGR 373 Instrum. & Measurement PHED 101 Intro. to Wellness General Education	1 1 3 3 3 2 3 16	SPRING ENGR 290 Engineering Economics ENGR 302 Seminar II ENGR 372 Fluid Mechanics ENGR 381 Mechanical Design ENGR 388 Project II General Education HYEAR SPRING	2 1 4 3 1 6 17
ENGR 288 Project I ENGR 301 Seminar I ENGR 333 Mechanics of Materials ENGR 371 Thermodynamics ENGR 373 Instrum. & Measurement PHED 101 Intro. to Wellness General Education FALL ENGR 366 Control Systems	1 1 3 3 3 2 3 16 FOURTI	SPRING ENGR 290 Engineering Economics ENGR 302 Seminar II ENGR 372 Fluid Mechanics ENGR 381 Mechanical Design ENGR 388 Project II General Education HYEAR SPRING ENGR 384 Manufacturing Processes	2 1 4 3 1 6 17
ENGR 288 Project I ENGR 301 Seminar I ENGR 333 Mechanics of Materials ENGR 371 Thermodynamics ENGR 373 Instrum. & Measurement PHED 101 Intro. to Wellness General Education FALL ENGR 366 Control Systems ENGR 374 Heat Transfer	1 1 3 3 3 2 3 16 FOURTI	SPRING ENGR 290 Engineering Economics ENGR 302 Seminar II ENGR 372 Fluid Mechanics ENGR 381 Mechanical Design ENGR 388 Project II General Education EYEAR SPRING ENGR 384 Manufacturing Processes ENGR 489 Project IV	2 1 4 3 1 6 17

^{*}Requires department approval.

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Total Credits