

## Mechanical Concentration Guideline

### FIRST YEAR

<u>FALL</u>		<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
	<hr/> 16		<hr/> 17

ENGR 201 Group Orientation\*

### SECOND 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
	<hr/> 17	Physical Fitness	1
		General Education	3
			<hr/> 18

### THIRD YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 288 Project I	1	ENGR 290 Engineering Economics	2
ENGR 301 Seminar I	1	ENGR 302 Seminar II	1
ENGR 333 Mechanics of Materials	3	ENGR 372 Fluid Mechanics	4
ENGR 371 Thermodynamics	3	ENGR 381 Mechanical Design	3
ENGR 373 Instrum. & Measurement	3	ENGR 388 Project II	1
PHED 101 Intro. to Wellness	2	General Education	6
General Education	3		<hr/> 17
	<hr/> 16		

### FOURTH YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 366 Control Systems	4	ENGR 384 Manufacturing Processes	3
ENGR 374 Heat Transfer	4	ENGR 489 Project IV	2
ENGR 488 Project III	2	General Education	9
General Education	6		<hr/> 14
	<hr/> 16		

Total Credits 131

\*Requires department approval.