

<b>1st Semester (Fall)</b>		<b>13 credits</b>	<b>Prerequisites/Co-requisites</b>
COMP 208	Computers in Engineering	3	P - MATH 140, MATH 141
MATH 262	Intermediate Calculus	3	P - MATH 141, MATH 133
MECH 201	Introduction to Mechanical Engineering	2	-
MECH 210	Mechanics 1	2	-
EC	Elective - 1	3	-
<b>2nd Semester (Winter)</b>		<b>17 credits</b>	<b>Prerequisites/Co-requisites</b>
FACC 100	Introduction to the Engineering Profession	1	-
MATH 263	Ordinary Differential Equations for Engineers	3	C - MATH 262
MATH 264	Advanced Calculus for Engineers	3	P - MATH 262 / C - MATH 263
MECH 220	Mechanics 2	4	P - MECH 210, MATH 262 / C - MATH 263
MECH 262	Statistics and Measurement Laboratory	3	-
MECH 289	Design Graphics	3	-
<b>3rd Semester (Fall)</b>		<b>16 credits</b>	<b>Prerequisites/Co-requisites</b>
MATH 271	Linear Algebra and Partial Differential Equations	3	P - MATH 263, MATH 264
CIVE 207	Solid Mechanics	4	P - MECH 210 or CIVE 205
MECH 292	Conceptual Design	3	P - MECH 260, MECH 289 / C - CIVE 207
MIME 260	Material Science and Engineering	3	-
EC	Elective - 2	3	-
<b>4th Semester (Winter)</b>		<b>15 credits</b>	<b>Prerequisites/Co-requisites</b>
CCOM 206	Communication in Engineering	3	-
MECH 240	Thermodynamics 1	3	-
MECH 309	Numerical Methods in Mechanical Engineering	3	P - MATH 263, MATH 271, COMP 208
MECH 314	Dynamics of Mechanisms	3	P - MECH 220
MECH 331	Fluid Mechanics 1	3	P - MECH 210 / C - MECH 220, MECH 240, MATH 271
<b>5th Semester (Fall)</b>		<b>16 credits</b>	<b>Prerequisites/Co-requisites</b>
MECH 315	Mechanics 3	4	P - MECH 220, MATH 271 / C - CIVE 207
MECH 341	Thermodynamics 2	3	P - MECH 240
MECH 346	Heat Transfer	3	P - MECH 240, MECH 331, MATH 271
MECH 360	Principles of Manufacturing	3	P - CIVE 207, MECH 289, MIME 260
MECH 393	Machine Element Design	3	P - MECH 260, MECH 289, CIVE 207 / C - MECH 292, MECH 314, MIME 260
<b>6th Semester (Winter)</b>		<b>15 credits</b>	<b>Prerequisites/Co-requisites</b>
MECH 321	Mechanics of Deformable Solids	3	P - CIVE 207
MECH 383	Applied Electronics and Instrumentation	3	P - MECH 262, MATH 263
MECH 430	Fluid Mechanics 2	3	P - MECH 240, MECH 331
MIME 310	Engineering Economy	3	-
MECH xxx	Technical Complementary	3	-
<b>7th Semester (Fall)</b>		<b>14 credits</b>	<b>Prerequisites/Co-requisites</b>
ECSE 461	Electric Machinery	3	-
MECH 362	Mechanical Laboratory 1	2	P - MECH 262
MECH 412	Dynamics of Systems	3	P - MECH 309 or MATH 317, MECH 315 / C - MECH 331
MECH 463D1	Mechanical Engineering Project	3	-

