

| 1st Semester (Fall) | | 13 credits | Prerequisites/Co-requisites |
|------------------------------|---|-------------------|---|
| 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 | - |
| 2nd Semester (Winter) | | 17 credits | Prerequisites/Co-requisites |
| 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 | - |
| 3rd Semester (Fall) | | 16 credits | Prerequisites/Co-requisites |
| 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 | - |
| 4th Semester (Winter) | | 15 credits | Prerequisites/Co-requisites |
| 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 |
| 5th Semester (Fall) | | 16 credits | Prerequisites/Co-requisites |
| 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 |
| 6th Semester (Winter) | | 15 credits | Prerequisites/Co-requisites |
| 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 | - |
| 7th Semester (Fall) | | 14 credits | Prerequisites/Co-requisites |
| 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 | - |

