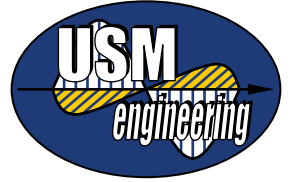




**Curriculum 2010/2011 – Suggested Sequence** – Approved 2/23/2010  
Programs: COMP-ENGR, EE-BS, EE-MIN, MEE-BS, MEE-MIN, NGR-PR



Computer Eng. (+12 –10)	Electrical Engineering (+29 credits)	Engineering Core (97 credits)	Mechanical Engineering (+29 credits)
<p><b>1</b></p> <p>3 EE courses not required in the Computer Engineering concentration (take the 4 below instead)</p> <p>15</p>	<p><b>ELE xxx:</b> required courses + prerequisites for a minor in EE (+ 2 ELE electives &gt;300)</p> <p>credits/semester</p> <p>Fall: 15</p>	<p><b>Engineering Core (97 credits)</b></p> <p>3+0 <b>EYE 112</b> Built Environment: Energy (Entry Year Experience)</p> <p>3 <b>ENG 100C</b> College Writing</p> <p>4+1 <b>PHY 121K</b> General Physics I + <b>PHY 114K:</b> lab I</p> <p>4 <b>MAT 152D</b> Calculus A</p>	<p><b>MEE xxx:</b> required courses + prerequisites for a minor in ME (+ 2 MEE electives &gt;300)</p> <p>credits/semester</p> <p>15</p>
<p>17</p>	<p>4+0 <b>ELE 172</b> Digital Logic</p> <p>Spring: 17</p>	<p>3+1 <b>CHY 113K</b> Principles of Chemistry I + <b>CHY 114K:</b> lab I</p> <p>4+1 <b>PHY 123</b> General Physics II + <b>PHY 116:</b> lab II</p> <p>4 <b>MAT 153</b> Calculus B</p>	<p>4+0 <b>MEE 154</b> Statics I and Strength of Materials</p>
<p><b>2</b></p> <p>18</p>	<p>3+1 <b>COS 160</b> Structured Problem Solving: Java + <b>COS 170:</b> lab</p> <p>4+0 <b>ELE 243</b> Electronic Devices and Circuits</p>	<p>4+0 <b>ELE 216</b> Circuits I: Steady-State Analysis</p> <p>3+0 <b>EGN 260</b> Materials Science for Engineers</p> <p>3 <b>PHI 1 E</b> Skills of Analysis Elective</p> <p>4 <b>MAT 252</b> Calculus C</p>	<p>3 <b>MEE 230</b> Thermodynamics I</p>
<p>18</p>	<p>3 <b>COS 161</b> Algorithms in Programming</p> <p>4+0 <b>ELE 314</b> Linear Signals and Systems</p> <p>4+0 <b>ELE 346</b> Advanced Electronics</p>	<p>4+0 <b>ELE 217</b> Circuits II: System Dynamics</p> <p>3 <b>THE 170F</b> Public Speaking</p> <p>4 <b>MAT 350</b> Differential Equations</p>	<p>4+0 <b>MEE 254</b> Statics II and Dynamics</p>
<p><b>3</b></p> <p>17</p>	<p>3 <b>COS 285</b> Data Structures</p> <p>4+0 <b>ELE 271</b> Microprocessor Systems</p> <p>3 <b>ELE 351</b> </p>	<p>4+0 <b>ELE 323</b> </p> <p>Electromechanical Energy Conversion</p> <p>3 _____ <b>G</b> History-Centered Arts Elective</p> <p>3 _____ <b>H</b> Literature Elective</p>	<p>4+0 <b>MEE 366</b> Fluid and Thermal Systems</p> <p>4+0 <b>MEE 372</b> Computer-Aided Design of Machine Elements</p>
<p>16</p>	<p>3 <b>COS 350</b> Systems Programming</p> <p>3 <b>ELE 351</b> </p>	<p>3 <b>EGN 301</b> Design Project I: The Engineering Profession</p> <p>3 <b>EGN 304</b> Engineering Economics</p> <p>3 _____ <b>I</b> Other Times/Other Cultures Elective</p> <p>3 _____ <b>J</b><sup>2</sup> Social Science Elective I</p>	<p>4+0 <b>MEE 373</b> Dynamics of Machines and Mechanisms</p>
<p><b>4</b></p> <p>15</p>	<p>3 _____ Computer Science Elective</p> <p>3 _____ Electrical Eng. Elective (ELE or EGN)</p>	<p>Advisor:</p> <p>3 <b>EGN 402</b> Design Project II</p> <p>3 _____ </p> <p>General Technical Elective</p>	<p>3 _____ Mechanical Eng. Elective (MEE or EGN)</p>
<p>12</p>	<p>3 _____ Electrical Eng. Elective (ELE or EGN)</p>	<p>3 <b>EGN 403</b> Design Project III</p> <p>3 _____ Engineering Elective (ELE, MEE or EGN)</p> <p>3 _____ <b>J</b><sup>2</sup> Social Science Elective II</p> <p>3 _____ <b>W</b><sup>1</sup> Writing Intensive Elective</p>	<p>3 _____ Mechanical Eng. Elective (MEE or EGN)</p>
<p>128</p>	<p>Total Credits: 126</p>	<p>126</p>	<p>126</p>

Notes: <sup>1</sup> The writing intensive requirement may be met in conjunction with another core requirement (for example, ENG 120HW).

<sup>2</sup> The two social science electives must be selected from different departments. See the USM catalog for more details on the Core Curriculum and Engineering Degree requirements.