

# 2014-2017 ELECTRICAL ENGINEERING CURRICULUM & PRE-REQUISITES CHART

<p>Freshman Engr. I ENGR 120 (2)</p>	<p>Freshman Engr. II ENGR 130 (2) <i>PR ENGR 120 &amp; MATH 135</i></p>	<p>Elec. Circ. I ELEN 208 (3) <i>PR MATH 265</i></p>	<p>Elec. Circ. II ELEN 209 (3) <i>PR ELEN 208</i></p>	<p>Electronics I ELEN 312 (3) <i>PR ELEN 209, 212 CR ELEN 314</i></p>	<p>Electronics II ELEN 313 (3) <i>PR ELEN 312 CR ELEN315</i></p>	<p>Comm. Engr. I ELEN 409 (3) <i>PR ELEN 390</i></p>	<p>EE Technical Elective (3) ELEN YYY</p>
<p>Calculus I MATH 264 (4)</p>	<p>Economics ECON 205 (3)</p>	<p>Elec. Circ. Lab I ELEN 210 (1) <i>CR ELEN 208</i></p>	<p>Elec. Circ. Lab II ELEN 211 (1) <i>CR ELEN 209</i></p>	<p>Electronics Lab I ELEN 314(1) <i>CR ELEN 312</i></p>	<p>Electronics Lab II ELEN 315 (1) <i>CR ELEN 313</i></p>	<p>Sr. Design Proj. I ELEN 493 (1) <i>PR Sr. Standing Perm. Instr/Chair</i></p>	<p>EE Technical Lab Elective (1) <i>PR Sr. Standing</i></p>
<p>Gen. Chem. Lec. CMEM 132 (3)</p>	<p>Calculus II MATH 265(4) <i>PR-MATH264</i></p>	<p>Gen. Physics II PHYS 222 (3) <i>PR MATH 265 &amp; PHYS 221</i></p>	<p>Phys. of Semicond. Devices ELEN 212 (3) <i>PR PHYS 222</i></p>	<p>Prob. &amp; Statistics ENGR 320 (2) <i>PR MATH 265</i></p>	<p>Elec. Machines I ELEN 342 (3) <i>PR ELEN 341</i></p>	<p>Control System Analysis ELEN 431 (3) <i>PR ELEN 390</i></p>	<p>EE/CS Technical Elective (3)</p>
<p>Gen. Chem. Lab CHEM 112 (1)</p>	<p>Freshman Comp. ENGL 111 (3)</p>	<p>Gen. Physics II Lab PHYS 224 (1) <i>PR PHYS 221</i></p>	<p>Engr. Mech. MEEN 229 (4) <i>PR MATH 265 &amp; PHYS 221</i></p>	<p>E/M Field Theory ELEN 341 (3) <i>PR ELEN 209</i></p>	<p>Elec. Mach. Lab I ELEN 344 (1) <i>PR ELEN 342</i></p>	<p>Thermodynamics MEEN 300 (3) <i>PR PHYS 222</i></p>	<p>Arts Elective (3)</p>
<p>Freshman Comp. ENGL 110 (3)</p>	<p>Gen. Physics I PHYS 221 (3) <i>PR MATH 264</i></p>	<p>Technical Comm. ENGR 230 (2) <i>PR ENGL 110</i></p>	<p>Eng. Lit. Elective ENGL 203 (3)</p>	<p>Engr. Math ENGR 340 (3) <i>PR MATH 395</i></p>	<p>Signals &amp; systems ELEN 390 (3) <i>PR ENGR 340</i></p>	<p>Engr. Seminar ENGR 400 (1) <i>PR Sr. Standing</i></p>	<p>Sr. Design Proj. II ELEN 494 (2) <i>PR ELEN 493</i></p>
<p>Life Science Elective (3)</p>	<p>Gen. Physics I Lab PHYS 223 (1) <i>PR PHYS 221</i></p>	<p>Cal. III &amp; Diff. Eqn. MATH 395 (4) <i>PR MATH 265</i></p>	<p>History Elective HIST XXX (3)</p>	<p>Digital Logic Design ELEN 303 (3) <i>PR ELEN 208</i></p>	<p>Introduction to Microprocessors ELEN 304 (3) <i>CR ELEN 306</i></p>	<p>History Elective HIST XXX (3)</p>	<p>Social Science Elective (3)</p>
		<p>Health &amp; PE Elective (2)</p>		<p>Digital Logic Lab ELEN 305(1) <i>CR ELEN 303</i></p>	<p>Microprocessors Lab ELEN 306 (1) <i>CR ELEN 304</i></p>		
				<p>Engr. Economy CIEN 310 (3) <i>PR ECON 205</i></p>			
<b>16 hrs</b>	<b>16 hrs</b>	<b>16 hrs</b>	<b>17 hrs</b>	<b>16 hrs</b>	<b>18 hrs</b>	<b>14 hrs</b>	<b>15 hrs</b>

Color Codes

Math & Science Requirements: 32Cr H

Social & Humanities Elective Requirements: 26Cr H

Engineering Major Requirements: 70Cr H

Total Credit Hours Requirements: 128Cr