

2020-2023 ELECTRICAL ENGINEERING CURRICULUM & PRE-REQUISITES CHART

<p>Freshman Engr. I ENGR 120B (2)</p>	<p>Freshman Engr. II ENGR 130B (2) <i>PR ENGR 120B & SMAT 121B</i></p>	<p>Elec. Circ. I ELEN 208B (3) <i>PR SMAT 212B</i></p>	<p>Elec. Circ. II ELEN 209B (3) <i>PR ELEN 208B</i></p>	<p>Electronics I ELEN 312B (3) <i>PR ELEN 209B</i></p>	<p>Electronics II ELEN 313B (3) <i>PR ELEN 312B</i></p>	<p>Comm. Engr. I ELEN 409B (3) <i>PR ELEN 390B</i></p>	<p>Sr. Design Proj. II ELEN 494B (2) <i>PR ELEN 493B</i></p>
<p>Calculus I SMAT 211B (4)</p>	<p>Economics SECO 211B (3)</p>	<p>Elec. Circ. Lab I ELEN 210B (1) <i>CR ELEN 208B</i></p>	<p>Elec. Circ. Lab II ELEN 211B (1) <i>CR ELEN 209B</i></p>	<p>Electronics Lab I ELEN 314B (1) <i>CR ELEN 312B</i></p>	<p>Electronics Lab II ELEN 315B (1) <i>CR ELEN 313B</i></p>	<p>Sr. Design Proj. I ELEN 493B (1) <i>PR Sr. Standing Perm. Instructor</i></p>	<p>Technical Elective (3)</p>
<p>Gen. Chem. Lec. SCHE 132B (3)</p>	<p>Calculus II SMAT 212B (4) <i>PR SMAT 211B</i></p>	<p>Gen. Physics II SPHY 215B (3) <i>PR SMAT 212B & SPHY 213B</i></p>	<p>Diff. Eq. for Engrs. ENGR 330B (3) <i>PR MATH 364B</i></p>	<p>Prob. & Statistics ENGR 320B (2) <i>PR SMAT 212B</i></p>	<p>Elec. Machines I ELEN 342B (3) <i>PR ELEN 209B</i></p>	<p>Control Syst. Analysis ELEN 431B (3) <i>PR ELEN 390B</i></p>	<p>Technical Elective Lab (3)</p>
<p>Gen. Chem. Lab SCHE 132LB (1)</p>	<p>Freshman Comp. SENL 102B (3) <i>PR SENL 101B</i></p>	<p>Gen. Physics II Lab SPHY 214LB (1) <i>CR SPHY 215B</i></p>	<p>Engr. Mech. MEEN 229B (4) <i>PR SMAT 212B & SPHY 213B</i></p>	<p>E/M Field Theory ELEN 341B (3) <i>PR ELEN 209B</i></p>	<p>Elec. Mach. Lab I ELEN 344B (1) <i>CR ELEN 342B</i></p>	<p>Thermodynamics MEEN 300B (3) <i>PR SPHY 215B</i></p>	<p>Arts Elective (3)</p>
<p>Freshman Comp. SENL 101B (3)</p>	<p>Gen. Physics I SPHY 213B (3) <i>PR SMAT 211B</i></p>	<p>Technical Comm. ENGR 230B (2) <i>PR SENL 101B</i></p>	<p>Engr. Lit. Elective SENL 240B (3)</p>	<p>Digital Logic Design ELEN 303B (3) <i>PR ELEN 208B</i></p>	<p>Signals & Systems ELEN 390B (3) <i>PR ENGR 330B</i></p>	<p>Engr. Seminar ENGR 400B (1) <i>CR ELEN 493B</i></p>	<p>Social Science Elective (3)</p>
<p>Life Science Elective (3)</p>	<p>Gen. Physics I Lab SPHY 213LB (1) <i>CR SPHY 213B</i></p>	<p>Calculus III MATH 364B (4) <i>PR SMAT 212B</i></p>	<p>History Elective SHIS XXX (3)</p>	<p>Digital Logic Lab ELEN 305B (1) <i>CR ELEN 303B</i></p>	<p>Introduction to Microprocessors ELEN 304B (3) <i>PR ELEN 303B</i></p>	<p>Technical Elective (3)</p>	<p>History Elective SHIS XXX (3)</p>
<p>16 hrs</p>	<p>16 hrs</p>	<p>Health & PE Elective (2)</p>	<p>17 hrs</p>	<p>Engr. Economy CIEN 310B (3) <i>PR SECO 211B</i></p>	<p>Microprocessors Lab ELEN 306B (1) <i>CR ELEN 304B</i></p>	<p>14 hrs</p>	<p>15 hrs</p>
<p>16 hrs</p>	<p>16 hrs</p>	<p>16 hrs</p>	<p>17 hrs</p>	<p>16 hrs</p>	<p>18 hrs</p>	<p>14 hrs</p>	<p>15 hrs</p>

Color Codes

Math & Science
Requirements: 32Cr H

Social & Humanities Elective
Requirements: 26Cr H

Engineering Major
Requirements: 70Cr H

Total Credit Hours
Requirements: 128Cr H