

**Transition to the 2002-2004 Catalog---PRELIMINARY**

	<b>BS Electrical Engineering</b>	<b>BS Computer Engineering</b>
<b>BASIC SEQUENCE</b>	<ul style="list-style-type: none"> <li>• Basic Sequence courses not yet decided.</li> </ul>	<ul style="list-style-type: none"> <li>• Basic Sequence courses not yet decided</li> </ul>
<b>REQUIRED OF ALL STUDENTS</b>	<ul style="list-style-type: none"> <li>• <b>EE 302, 306, 411, 312, 313, 316, 319K, 322</b> (EE360C, if taken prior to F2002, can sub), <b>325, 333T, 339, 438</b> (EE 338+321, if taken prior to F2002, can substitute as EE 438), <b>351K, 155, 160 Buckman</b> (for students who have completed EE 338 prior to F2002 but not EE 321 prior to F2002), <b>362K, 366, 464H/K/I</b></li> <li>• <b>EE 321, 321K, 440, 345L, 345S, or 374L</b> (advanced lab course required prior to 464H/I/K); EE majors may count this course as a tech area elective</li> <li>• <b>Rhetoric 306, English 316K</b></li> <li>• <b>Mathematics 408C, 408D, 427K, 340L</b></li> <li>• <b>Physics 303K, 303L, 103M, 103N</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>EE 302, 306, 411, 312, 313, 316, 319K, 322</b> (EE360C, if taken prior to F2002, can sub), <b>325, 333T, 339, 438</b> (EE 338+321, if taken prior to F2002, can substitute as EE 438), <b>351K, 155, 160 Buckman</b> (for students who have completed EE 338 prior to F2002 but not EE 321 prior to F2002), <b>366, 464H/K/I</b></li> <li>• <b>EE 345L</b> (advanced lab course required prior to 464H/I/K); Comp. Eng. majors may not count this course as a tech area elective</li> <li>• <b>Rhetoric 306, English 316K</b></li> <li>• <b>Mathematics 408C, 408D, 427K, 325K</b></li> <li>• <b>Physics 303K, 303L, 103M, 103N</b></li> </ul>
<b>TECHNICAL AREA OPTIONS</b>	<p><u>Take at least 3 courses</u> from one of the following technical areas:</p> <ul style="list-style-type: none"> <li>• Biomedical Engineering</li> <li>• Communications and Networking</li> <li>• Electromagnetic Engineering (includes PHY 355)</li> <li>• Electronics (includes EE 321, EE 321K, and EE 338K)</li> <li>• Electronic Materials and Devices (includes PHY 355)</li> <li>• Management and Production</li> <li>• Power Systems and Energy Conversion</li> <li>• Premedical</li> <li>• Robotics and Controls</li> <li>• Signal and Image Processing</li> </ul> <p><u>AND 3 courses</u> from another area:</p> <ul style="list-style-type: none"> <li>• Biomedical Engineering</li> <li>• Communications and Networking</li> <li>• Electromagnetic Engineering (includes PHY 355)</li> <li>• Electronics (includes EE 321, EE 321K, and EE 338K)</li> <li>• Electronic Materials and Devices (includes PHY 355)</li> <li>• Management and Production</li> <li>• Power Systems and Energy Conversion</li> <li>• Premedical</li> <li>• Robotics and Controls</li> <li>• Signal and Image Processing</li> <li>• Computer Design (includes EE 360N)</li> <li>• Embedded Systems (includes EE 360N and EE 360P)</li> <li>• Software Development (includes EE 360C if not used as sub for EE 322, and EE 360P)</li> <li>• System Software (includes EE 360P)</li> <li>• VLSI Design</li> </ul>	<p><u>Take at least 3 courses</u> from one of the following technical areas:</p> <ul style="list-style-type: none"> <li>•Computer Design (includes EE 360N)</li> <li>•Embedded Systems (includes EE 360N and EE 360P)</li> <li>•Software Development (includes EE 360C if not used as sub for EE 322, and EE 360P)</li> <li>•System Software (includes EE 360P)</li> <li>•VLSI Design</li> </ul> <p><u>AND 3 courses</u> from another area:</p> <ul style="list-style-type: none"> <li>• Biomedical Engineering</li> <li>• Communications and Networking</li> <li>• Electromagnetic Engineering (includes PHY 355)</li> <li>• Electronics (includes EE 321, EE 321K, and EE 338K)</li> <li>• Electronic Materials and Devices (includes PHY 355)</li> <li>• Management and Production</li> <li>• Power Systems and Energy Conversion</li> <li>• Premedical</li> <li>• Robotics and Controls</li> <li>• Signal and Image Processing</li> <li>• Computer Design (includes EE 360N)</li> <li>• Embedded Systems (includes EE 360N and EE 360P)</li> <li>• Software Development (includes EE 360C if not used as sub for EE 322, and EE 360P)</li> <li>• System Software (includes EE 360P)</li> <li>• VLSI Design</li> </ul>
<b>OTHER REQUIRED COURSES</b>	<ul style="list-style-type: none"> <li>• Approved elective – CH 301 or 3 approved hours</li> <li>• Technical electives - PHY 355 (if not used in Electromagnetic Engineering or Electronic Materials and Devices area) or 3 approved hours</li> <li>• GOV 310L and GOV 312L</li> <li>• American history - 6 hours</li> <li>• Approved fine arts or humanities elective - 3 hours</li> <li>• Approved social science elective - 3 hours</li> </ul>	<ul style="list-style-type: none"> <li>• Approved elective – CH 301 or 3 approved hours</li> <li>• Technical electives - PHY 355 (if not used in Electromagnetic Engineering or Electronic Materials and Devices area) or 3 approved hours</li> <li>• GOV 310L and GOV 312L</li> <li>• American history - 6 hours</li> <li>• Approved fine arts or humanities elective - 3 hours</li> <li>• Approved social science elective - 3 hours</li> </ul>
<b>TOTAL HOURS</b>	123 hours	123 hours

**This has not been approved by the College or University yet.**