

SOFTWARE ENGINEERING

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2024-2025 Catalog (expires Summer 2030)

General Education	Major Requirements
<p>AREA I – Institutional Priority 4 HOURS</p> <p><i>Area I Perspective Elective</i> (ITEC 1001 recommended)</p>	<p>Field of Study 18- 19 HOURS</p> <p>ITEC 2215 Intro to IT ITEC 2260 Intro to Programming ITEC 2270 Application Development ITEC 2320 Networking Essentials ITEC 2380 Web Development</p>
<p>AREA M – Mathematics & Quantitative Skills 3 HOURS</p> <p>MATH 1111,1112, 1113, or 1251</p> <p><i>*MATH 1001/Learning Support may be required based on test scores</i></p>	<p>Choose one (circle) MATH 1251, 2120, 2252, 2253, 2260, 2270</p>
<p>AREA P – Political Science & U.S. History 6 HOURS</p> <p>*POLS 1101 or 1101H **HIST 2111, 2111H, 2112, or 2112H</p> <p><i>*Will satisfy the state requirements in U.S. & Georgia Constitution **Will satisfy the state requirements in U.S. and Georgia History</i></p>	<p>Upper-Level Core Requirements 21 HOURS</p> <p>IT Upper Level Core Courses</p> <p>ITEC 3155 Systems Analysis & Design ITEC 3235 Human Computer Interaction ITEC 3245 Database Principles ITEC 3300 Project Management ITEC 4200 Foundations of Info Assurance ITEC 4205 Legal and Ethical Issues in IT ITEC 4750 Senior Capstone</p>
<p>AREA A – Arts, Humanities, & Ethics 6 HOURS</p> <p><i>Literature Based Elective</i></p> <p>Choose one (circle): ENGL 2111, 2112, 2121, 2122, 2131, 2132, 2141, or 2142</p> <p><i>Area A Elective</i> COMM 1110 or COMM 1100</p>	<p>Software Engineering Concentration 30 HOURS</p> <p>Required</p> <p>ITEC 3250 Software Engineering ITEC 3265 Operating Systems ITEC 4264 Data Structures and Algorithm Analysis ITEC 4270 Robot Programming ITEC 4361 Software Security ITEC 4362 Computer Architecture ITEC 4365 Software Testing and Quality Assurance ITEC 4367 Advanced Software Engineering MATH 3700 Applied Calculus for Information Technology</p> <p>Select one from the following: ITEC 4261 Intro to JAVA Programming ITEC 4266 C++ Programming</p>
<p>AREA C – Communicating in Writing 6 HOURS</p> <p>ENGL 1101 ENGL 1102</p> <p><i>*ENGL 1101 may require Learning Support based on test scores</i></p>	<p>Additional Upper-Level Electives 9 HOURS</p> <p><i>*An ITEC elective is any 3000 or 4000 level ITEC course where the prerequisite has been met.</i></p>
<p>AREA T- Technology, Mathematics, & Sciences 11 HOURS</p> <p><i>Area D Elective Choose one (circle)</i></p> <p>MATH 1401, 1251, 1501, 2252, 2253, 2260, 2270</p> <p>Lab-Science Electives Choose two (circle): ASTR 1010K, 1020K, BIOL 1001K, 1002K, 2107K, 2108K, 1101K(eCore) * CHEM 1151K, 1152K, 1211K, 1212K GEOL 1121K(eCore) PHYS 1011K, 1012K, 1111K, 1112K, 2211K, 2212K</p> <p><i>*Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108</i></p>	
<p>AREA S- Social Sciences 6 HOURS</p> <p><i>Area E Elective Choose two (circle):</i> ANTH 1102, ECON 2105 , 2106 HIST 1111, 1112,1190, 2111, 2112 GEOG 1101 POLS 2101, 2201, 2301, 2401 PSYC 1101 SOCI 1101, 1160</p>	