

# SOFTWARE ENGINEERING

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

*Audit Worksheet 2022-2023 Catalog (expires Summer 2028)*

<b>1<sup>st</sup> &amp; 2<sup>nd</sup> Years Gen Ed &amp; Area F</b>	<b>3<sup>rd</sup> &amp; 4<sup>th</sup> Years</b>																				
<p><b>AREA A – Essential Skills</b> 9-10 HOURS</p> <p>ENGL 1101 ENGL 1102 MATH 1111,1112, 1113 , or 1251</p> <p><i>*MATH 1101/ Learning Support may be required based on test scores.</i></p> <p><b>AREA B – Institutional Options</b> 4 HOURS</p> <p><i>Area B Elective (ITEC 1001 recommended)</i></p> <p><b>AREA C – Humanities/Fine Arts</b> 6 HOURS <i>Literature-based Elective</i></p> <p><b>Choose one (circle):</b> ENGL 2111, 2112, 2121, 2122, 2131, 2132 , 2141, or 2142</p> <p><b>AREA C Elective</b></p> <p>COMM 1110 or COMM 1100</p> <p><b>AREA D – Nat Science, Math, and Tech</b> 11-12 HOURS <i>Area D Elective Choose one (circle)</i></p> <p>MATH 1401, 1251, 1501, 2252, 2253, 2260, 2270 <b>Lab-Science Electives Choose two (circle):</b> ASTR 1010K, 1020K, BIOL 1001K, 1002K, 2107K, 2108K, 1101K(eCore) * CHEM 1151K, 1152K, 1211K, 1212K GEOL 1011K or 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><b>AREA E – Social Science</b> 12 HOURS</p> <p>*POLS 1101 **HIST 2111, 2112</p> <p><b>Area E Elective Choose two (circle):</b> ANTH 1102, ECON 2105, 2106 HIST 1111, 1112,1190, 2111, 2112 GEOG 1101 POLS 2101, 2201, 2301, 2401 PSYC 1101 SOC 1101, 1160</p> <p><i>*Will satisfy the state requirements in U.S. &amp; Georgia Constitution **Will satisfy the state requirements in U.S. and Georgia History</i></p> <p><b>AREA F MAJOR FIELD</b> 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><b>Choose one (circle)</b> MATH 1251, 2120, 2252, 2253, 2260, 2270</p>	<p><b>IT UPPER DIVISION REQUIREMENTS</b> 21 HOURS <b>IT Upper Level Core Courses</b></p> <p>ITEC 3155 Systems Analysis &amp; 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><b>SOFTWARE ENGINEERING</b> 30 HRS</p> <p><b>Required (30 hours)</b> ITEC 3250 Software Engineering ITEC 4264 Data Structures and Algorithm Analysis ITEC 3265 Operating Systems ITEC 4261 JAVA Programming OR ITEC 4266 C++ Programming ITEC 4270 Robot Programming ITEC 4361 Software Security ITEC 4362 Computer Architecture ITEC 4364 Systems Programming ITEC 4365 Software Testing and Quality Assurance MATH 3700- Applied Calculus for IT</p> <p><b>ADDITIONAL COURSES</b> 9 HRS</p>																				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center; color: red;">GRADUATION REQUIREMENT CHECKLIST</th> </tr> </thead> <tbody> <tr> <td style="width: 25%;">Oral Comp</td> <td style="width: 5%; text-align: center;"><input type="checkbox"/></td> <td style="width: 25%;">Tech Comp</td> <td style="width: 45%; text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>History</td> <td><input type="checkbox"/></td> <td>U.S.</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Constitution</td> <td><input type="checkbox"/></td> <td>U.S.</td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="4">Applied for Graduation <input type="checkbox"/> Yes</td> </tr> </tbody> </table>	GRADUATION REQUIREMENT CHECKLIST				Oral Comp	<input type="checkbox"/>	Tech Comp	<input type="checkbox"/>	History	<input type="checkbox"/>	U.S.	<input type="checkbox"/>	Constitution	<input type="checkbox"/>	U.S.	<input type="checkbox"/>	Applied for Graduation <input type="checkbox"/> Yes			
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## Degree Map

### Year 1

Semester One		Semester Two		Summer Session (optional)	
1		1		1	
2		2		2	
3		3			
4		4			
5		5			
Optional 6 <sup>th</sup>		Optional 6 <sup>th</sup>			

### Year 2

Semester One		Semester Two		Summer Session (optional)	
1		1		1	
2		2		2	
3		3			
4		4			
5		5			
Optional 6 <sup>th</sup>		Optional 6 <sup>th</sup>			

### Year 3

Semester One		Semester Two		Summer Session (optional)	
1		1		1	
2		2		2	
3		3			
4		4			
5		5			
Optional 6 <sup>th</sup>		Optional 6 <sup>th</sup>			

### Year 4

Semester One		Semester Two		Summer Session (optional)	
1		1		1	
2		2		2	
3		3			
4		4			
5		5			
Optional 6 <sup>th</sup>		Optional 6 <sup>th</sup>			

**NOTES:**