

# Financial Technology

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2021-2022 Catalog (expires Summer 2027)

1 <sup>st</sup> & 2 <sup>nd</sup> Years Gen Ed & Area F	3 <sup>rd</sup> & 4 <sup>th</sup> Years																								
<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 1001/Learning Support may be required due to test scores</i></p>	<p><b>IT UPPER DIVISION REQUIREMENTS</b></p> <p><b>IT Upper Level Core Courses</b> 21 HOURS</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>AREA B – Institutional Options</b> 4 HOURS</p> <p><i>Area B Elective (ITEC 1001 recommended)</i></p>	<p><b>Financial Technology</b> 21 HRS</p> <p><b>Required (15 hours)</b> FTA 4001 Foundations of FinTech FTA 4002 Financial Technologies FTA 4003 Commercial Banking and FinTech FTA 4005 Introduction to Financial Data Analytics FTA 4100 Introduction to Information Security for Fintech</p> <p><b>Choose any Two (2) of the following</b> FTA 3810 Payment Processing FTA 3850 Digital Payments Security FTA 3860 Emerging Payment Technologies</p>																								
<p><b>AREA C – Humanities/Fine Arts</b> 6 HOURS</p> <p><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>ADDITIONAL COURSES</b> 18 HRS</p> <p>FTA 2xxx/3xxx/4xxx courses or ITEC 3XXX/4XXX courses</p>																								
<p><b>AREA C Elective</b></p> <p>COMM 1110 or COMM 1100</p>	<p><b>GRADUATION REQUIREMENT CHECKLIST</b></p> <table border="1"> <tr> <td>Oral Comp</td> <td><input type="checkbox"/></td> <td>Tech Comp</td> <td><input type="checkbox"/></td> <td></td> <td></td> </tr> <tr> <td>History</td> <td colspan="2"><input type="checkbox"/> U.S.</td> <td colspan="3"><input type="checkbox"/> GA</td> </tr> <tr> <td>Constitution</td> <td colspan="2"><input type="checkbox"/> U.S.</td> <td colspan="3"><input type="checkbox"/> GA</td> </tr> <tr> <td colspan="6">Applied for Graduation <input type="checkbox"/> Yes</td> </tr> </table>	Oral Comp	<input type="checkbox"/>	Tech Comp	<input type="checkbox"/>			History	<input type="checkbox"/> U.S.		<input type="checkbox"/> GA			Constitution	<input type="checkbox"/> U.S.		<input type="checkbox"/> GA			Applied for Graduation <input type="checkbox"/> Yes					
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<p><b>AREA D – Nat Science, Math, and Tech</b> 11-12 HOURS</p> <p><i>Area D Elective Choose one (circle)</i></p> <p>MATH 1401, 1251, 1501, 2252, 2253, 2260, or 2270</p> <p><b>Lab-Science Electives Choose two (circle):</b> ASTR 1010K, 1020K, BIOL 1001K, 1002K,2107K, 2108K, BIOL 1011K (eCore) CHEM 1151K, 1152K, 1211K, 1212K GEOL 1011K or GEOL 1211K (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 or 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</i> <i>**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>																									

# Financial Technology 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:**

# Health Informatics

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

*Audit Worksheet 2021-2022 Catalog (expires Summer 2027)*

<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 1001/Learning Support may be required due to test scores</i></p>	<p><b>IT UPPER DIVISION REQUIREMENTS</b></p> <p><b>IT Upper Level Core Courses</b> 21 HOURS</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>AREA B – Institutional Options</b> 4 HOURS</p> <p><i>Area B Elective (ITEC 1001 recommended)</i></p>	<p><b>Health Informatics</b> 15 HRS</p> <p><b>Required (9 hours)</b> HLSA 3310 American Health Care System HLSA 3320 Health Care Management HLSA 4470 Design &amp; Management <b>Select two (2) from the following (6 hours)</b> HLSA 3350 Public Health &amp; Epidemiology HLSA 3360 Quality Management &amp; Improvement HLSA 4410 Health Law &amp; Ethics HLSA 4435 Managed Care</p>																								
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<p><b>AREA E – Social Science</b> 12 HOURS</p> <p>*POLS 1101 **HIST 2111 or 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</i> <i>**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>																								
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# INTEGRATED DIGITAL MEDIA & GAME DESIGN

## 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			
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**NOTES:**

# NETWORK TECHNOLOGY & ADMINISTRATION

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

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# NETWORK TECHNOLOGY & ADMINISTRATION

## 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			
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### Year 4

Semester One		Semester Two		Summer Session (optional)	
1		1		1	
2		2		2	
3		3			
4		4			
5		5			
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**NOTES:**

# CYBER FORENSICS

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

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# CYBER FORENSICS

## Degree Map

### Year 1

Semester One		Semester Two		Summer Session (optional)	
1		1		1	
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### Year 2

Semester One		Semester Two		Summer Session (optional)	
1		1		1	
2		2		2	
3		3			
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### Year 3

Semester One		Semester Two		Summer Session (optional)	
1		1		1	
2		2		2	
3		3			
4		4			
5		5			
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### 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:



# CYBERSECURITY

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

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<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 style="background-color: #ffffcc; margin: 0;"><b>AREA A – Essential Skills</b>                      9-10 HOURS</p> <p>ENGL 1101 ENGL 1102 MATH 1111,1112, 1113 , or 1251 <i>*MATH 1001/Learning Support may be required due to test scores</i></p>	<p style="background-color: #ffffcc; margin: 0;"><b>IT UPPER DIVISION REQUIREMENTS</b></p> <p style="background-color: #ffffcc; margin: 0;"><b>IT Upper Level Core Courses</b>                      21 HOURS</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 style="background-color: #ffffcc; margin: 0;"><b>AREA B – Institutional Options</b>                      4 HOURS</p> <p><i>Area B Elective (ITEC 1001 recommended)</i></p>	<p style="background-color: #ffffcc; margin: 0;"><b>CYBERSECURITY COURSES</b>                      27 HRS</p> <p>ITEC 3325 Windows System Admin ITEC 3328 Linux Systems Admin ITEC 4344 Ethical Hacking ITEC 4321 Forensics and Data Recovery ITEC 4341 Network Forensics &amp; Incident Response Planning ITEC 4361 Software Security ITEC 4370 Virtual Computing ITEC 4421 Network Security <b>Select one (1) from the following (3 hours)</b> ITEC 4310 Critical Infrastructure Security ITEC 4320 Industrial Control Systems Security ITEC 4332 Firewalls and VPNs 3</p>																				
<p style="background-color: #ffffcc; margin: 0;"><b>AREA C – Humanities/Fine Arts</b>                      6 HOURS</p> <p><i>Literature-based Elective</i></p> <p><b>Choose one (circle):</b> ENGL 2111, 2112, 2121, 2122, 2131, 2132 , 2141, or 2142</p>																					
<p style="background-color: #ffffcc; margin: 0;"><b>AREA C Elective</b></p> <p>COMM 1110 or COMM 1100</p>																					
<p style="background-color: #ffffcc; margin: 0;"><b>AREA D – Nat Science, Math, and Tech</b>                      11-12 HOURS</p> <p><i>Area D Elective Choose one (circle)</i></p> <p>MATH 1401, 1251, 1501, 2252, 2253, 2260, or 2270</p> <p><b>Lab-Science Electives Choose two (circle):</b> ASTR 1010K, 1020K, BIOL 1001K, 1002K , 2107K, 2108K, BIOL 1011K (eCore) CHEM 1151K, 1152K, 1211K, 1212K GEOL 1011K or 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 style="background-color: #ffffcc; margin: 0;"><b>ADDITIONAL COURSES</b>                      12 HRS</p>																				
<p style="background-color: #ffffcc; margin: 0;"><b>AREA E – Social Science</b>                      12 HOURS</p> <p>*POLS 1101 **HIST 2111 or 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 style="background-color: #ffffcc; margin: 0;"><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>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center; padding: 5px;"><b>GRADUATION REQUIREMENT CHECKLIST</b></th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Oral Comp</td> <td style="padding: 5px; text-align: center;"><input type="checkbox"/></td> <td style="padding: 5px;">Tech Comp</td> <td style="padding: 5px; text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 5px;">History</td> <td style="padding: 5px; text-align: center;"><input type="checkbox"/> U.S.</td> <td style="padding: 5px;"></td> <td style="padding: 5px; text-align: center;"><input type="checkbox"/> GA</td> </tr> <tr> <td style="padding: 5px;">Constitution</td> <td style="padding: 5px; text-align: center;"><input type="checkbox"/> U.S.</td> <td style="padding: 5px;"></td> <td style="padding: 5px; text-align: center;"><input type="checkbox"/> GA</td> </tr> <tr> <td colspan="4" style="padding: 5px;">Applied for Graduation <input type="checkbox"/> Yes</td> </tr> </tbody> </table>	<b>GRADUATION REQUIREMENT CHECKLIST</b>				Oral Comp	<input type="checkbox"/>	Tech Comp	<input type="checkbox"/>	History	<input type="checkbox"/> U.S.		<input type="checkbox"/> GA	Constitution	<input type="checkbox"/> U.S.		<input type="checkbox"/> GA	Applied for Graduation <input type="checkbox"/> Yes			
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Oral Comp	<input type="checkbox"/>	Tech Comp	<input type="checkbox"/>																		
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Constitution	<input type="checkbox"/> U.S.		<input type="checkbox"/> GA																		
Applied for Graduation <input type="checkbox"/> Yes																					

# CYBERSECURITY

## 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:**

# Data Analytics

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

*Audit Worksheet 2021-2022 Catalog (expires Summer 2027)*

<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> <span style="float: right;">9-10 HOURS</span></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>IT UPPER DIVISION REQUIREMENTS</b></p> <p><b>IT Upper Level Core Courses</b> <span style="float: right;">21 HOURS</span></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>AREA B – Institutional Options</b> <span style="float: right;">4 HOURS</span></p> <p><i>Area B Elective (ITEC 1001 recommended)</i></p>	<p><b>Data Analytics</b> <span style="float: right;">21 HRS</span></p> <p>MATH 3440 Data Exploration and Visualization MATH 3500 Applied Probability MATH 4611 Applied Statistics ITEC 3100 Python Scripting ITEC 3351 Analytics and Organizational Intelligence ITEC 3355 Data Mining ITEC 4244 Database Programming</p>																								
<p><b>AREA C – Humanities/Fine Arts</b> <span style="float: right;">6 HOURS</span></p> <p><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> <span style="float: right;">11-12 HOURS</span></p> <p><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>ADDITIONAL COURSES</b> <span style="float: right;">18 HRS</span></p>																								
<p><b>AREA E – Social Science</b> <span style="float: right;">12 HOURS</span></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> <span style="float: right;">18-19 HOURS</span></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>																									
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Constitution	<input type="checkbox"/> U.S.		<input type="checkbox"/> GA																						
Applied for Graduation <input type="checkbox"/> Yes																									

# 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:**

# Software Engineering 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:**

# SOFTWARE ENGINEERING

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

*Audit Worksheet 2021-2022 Catalog (expires Summer 2027)*

<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></p> <p><b>IT Upper Level Core Courses</b> 21 HOURS</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 4329 Data Communications ITEC 4361 Software Security ITEC 4362 Computer Architecture ITEC 4364 Systems Programming ITEC 4365 Software Testing and Quality Assurance</p> <p><b>ADDITIONAL COURSES</b></p>																				
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Constitution	<input type="checkbox"/>	U.S.	<input type="checkbox"/>																		
Applied for Graduation <input type="checkbox"/> Yes																					

# SOFTWARE ENGINEERING

## 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:**

# WEB APPLICATIONS DEVELOPMENT

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

*Audit Worksheet 2021-2022 Catalog (expires Summer 2027)*

<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 <i>Lab-Science Electives Choose two (circle):</i> 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><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 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></p> <p><b>IT Upper Level Core Courses</b> 21 HOURS</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>WEB APPLICATIONS DEVELOPMENT</b> 24 HRS</p> <p><b>Required (24 hours)</b> ITEC 4264 Data Structures and Algorithm Analysis ITEC 3280 Web Programming ITEC 4244 Database Programming ITEC 4261 Java Programming ITEC 4269 Client/Server Systems Programming ITEC 4286 Web Applications Development ITEC 4361 Software Security ITEC 4366 Advanced Web Development</p> <p><b>ADDITIONAL COURSES</b> 15 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 style="text-align: center;"><input type="checkbox"/></td> <td>U.S.</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Constitution</td> <td style="text-align: center;"><input type="checkbox"/></td> <td>U.S.</td> <td style="text-align: center;"><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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Constitution	<input type="checkbox"/>	U.S.	<input type="checkbox"/>																		
Applied for Graduation <input type="checkbox"/> Yes																					



# WEB APPLICATIONS DEVELOPMENT

## 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:**