

# Health Informatics

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

*Audit Worksheet 2018-2019 Catalog (expires Summer 2024)*

<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</p> <p><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><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>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>																				
<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>																					
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<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 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 style="background-color: #ffffcc; margin: 0;"><b>ADDITIONAL COURSES</b> 24 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</i> <i>**Will satisfy the state requirements in U.S. and Georgia History</i></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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# CYBER FORENSICS

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

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# CYBERSECURITY

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<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>CYBERSECURITY COURSES</b> <span style="float: right;">27 HRS</span></p> <p>ITEC 3325 Windows System Admin ITEC 3328 Linux Systems Admin ITEC 4345 Cyber Systems Security ITEC 4344 Ethical Hacking ITEC 4321 Digital Forensics ITEC 4341 Network Forensics and Incident Response Planning ITEC 4361 Software Security ITEC 4370 Virtual Computing ITEC 4421 Network Security</p>																				
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# INTEGRATED DIGITAL MEDIA & GAME DESIGN

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

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# NETWORK TECHNOLOGY & ADMINISTRATION

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

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# SOFTWARE ENGINEERING

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

*Audit Worksheet 2018-2019 Catalog (expires Summer 2024)*

<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 is required if SAT Math &lt; 550 or ACT &lt; 24</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 1200, 1401, 1251, 1501, 2252, 2253, 2260, 2270</p> <p><b>Lab-Science Electives Choose two (circle):</b> ASTR 1010K, 1020K, BIOL 1001K, 1002K, 2107K, 2108K,* CHEM 1151K, 1152K, 1211K, 1212K GEOL 1011K 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 3264 Data Structures/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/Quality Assurance</p> <p><b>ADDITIONAL COURSES</b></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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# WEB APPLICATIONS DEVELOPMENT

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2018-2019 Catalog (expires Summer 2024)

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 1101 is required if SAT Math &lt; 550 or ACT &lt; 24</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>																					
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<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>ADDITIONAL COURSES</b> 15 HRS</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>	<table border="1"> <thead> <tr> <th colspan="4">GRADUATION REQUIREMENT CHECKLIST</th> </tr> </thead> <tbody> <tr> <td>Oral Comp</td> <td><input type="checkbox"/></td> <td>Tech Comp</td> <td><input type="checkbox"/></td> </tr> <tr> <td>History</td> <td><input type="checkbox"/> U.S.</td> <td><input type="checkbox"/> GA</td> <td></td> </tr> <tr> <td>Constitution</td> <td><input type="checkbox"/> U.S.</td> <td><input type="checkbox"/> GA</td> <td></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"/> GA		Constitution	<input type="checkbox"/> U.S.	<input type="checkbox"/> GA		Applied for Graduation <input type="checkbox"/> Yes			
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# CRITICAL INFRASTRUCTURE MANAGEMENT

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

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1 <sup>st</sup> & 2 <sup>nd</sup> Years Gen Ed & Area F	3 <sup>rd</sup> & 4 <sup>th</sup> Years																				
<p style="text-align: center;"><b>GENERAL EDUCATION REQUIREMENTS</b></p> <p><b>AREA A – Essential Skills</b> 9-10 HOURS                      ENGL 1101                      ENGL 1102 or 1102H                      MATH 1111,1112, 1113, 1113H, or 1251                      *MATH 1101 is required if SAT Math &lt; 550 or ACT &lt; 24</p> <hr/> <p><b>AREA B – Institutional Options</b> 4 HOURS                      Area B Elective (ITEC 1001 recommended)</p> <hr/> <p><b>AREA C – Humanities/Fine Arts</b> 6 HOURS  <i>Literature-based Elective</i>  <b>Choose one (circle):</b>                      ENGL 2111, 2112, 2121, 2122, 2131, 2131H, 2132, 2132H, 2141, 2142   <i>Area C Elective</i>                      COMM 1110 or COMM 1100</p> <hr/> <p><b>AREA D – Nat Science, Math, and Tech</b> 11-12 HOURS  <i>Area D Elective</i>  <b>Choose one (circle)</b>                      MATH 1200, 1401, 1251, 1501, 2252, 2253, 2260, 2270  <i>Lab-Science Electives</i>  <b>Choose two (circle):</b>                      ASTR 1010K, 1020K,                      BIOL 1001K, 1001K-H, 1002K, 1002K-H, 2107K, 2108K,*                      CHEM 1151K, 1152K, 1211K, 1212K                      GEOL 1125, 1126,                      PHSC 1011K,                      PHYS 1011K, 1012K, 1111K, 1112K, 2211K, 2212K                      *Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108.</p> <hr/> <p><b>AREA E – Social Science</b> 12 HOURS                      *POLS 1101 or 1101H                      **HIST 2111, 2111H, 2112, or 2112H  <i>Area E Elective Choose two (circle):</i>                      ANTH 1102,                      ECON 2105, 2105H, 2106, 2106H,                      HIST 1111, 1112,1190, 2111,                      2111H, 2112, 2112H, GEOG 1101                      POLS 2101, 2201, 2301, 2401                      PSYC 1101, 1101H,                      SOCI 1101, 1101H, 1160                      *Will satisfy the state requirements in U.S. &amp; Georgia Constitution                      **Will satisfy the state requirements in U.S. and Georgia History</p>	<p><b>AREA F MAJOR FIELD</b> 18-19 HOURS                      HRS GRADE                      ITEC 2215 Intro to IT                      ITEC 2260 Intro to Programming                      ITEC 2270 Application Development                      ITEC 2320 Networking Essentials                      ITEC 2380 Web Development  <b>Choose one (circle)</b>                      MATH 1251, 2120, 2252, 2253, 2260, 2270</p> <hr/> <p><b>IT UPPER DIVISION REQUIREMENTS</b>  <b>IT Upper Level Core Courses</b> 21 HOURS                      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> <hr/> <p><b>CRITICAL INFRASTRUCTURE MANAGEMENT</b> 21HRS  <b>Required (21 hours)</b>                      ITEC 4310 Critical Infrastructure Security and Resilience                      ITEC 4320 Industrial Control Systems                      ITEC 4321 Forensics/Data Recovery                      ITEC 4341 Network Forensics and Incident Response Planning                      ITEC 4345 Cyber Systems Security                      CRJU 4507 Homeland Security                      CRJU 4550 Terrorism</p> <hr/> <p><b>ADDITIONAL COURSES</b> 18HRS</p>																				
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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:**