WEB APPLICATIONS DEVELOPMENT

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2023-2024 Catalog (expires Summer 2029)

1st & 2nd Years Gen Ed & Area F

AREA A – Essential Skills 9-10 HOURS

ENGL 1101
ENGL 1102
MATH 1111,1112, 1113 , or 1251

**MATH 1101/ Learning Support may be required based on test scores*

AREA B – Institutional Options 4 HOURS

Area B Elective (ITEC 1001 recommended)

AREA C – Humanities/Fine Arts 6 HOURS
Literature-based Elective

Choose one (circle):
ENGL 2111, 2112, 2121, 2122, 2131, 2132 , 2141, or 2142

AREA C Elective

COMM 1110 or COMM 1100

AREA D – Nat Science, Math, and Tech 11-12 HOURS
Area D Elective **Choose one (circle)**

MATH 1401, 1251, 1501, 2252, 2253, 2260, 2270
Lab-Science Electives **Choose two (circle):**
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

**Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108*

AREA E – Social Science 12 HOURS

*POLS 1101
**HIST 2111, 2112

Area E Elective **Choose two (circle):**
ANTH 1102,
ECON 2105, 2106
HIST 1111, 1112,1190, 2111, 2112
GEOG 1101
POLS 2101, 2201, 2301, 2401
PSYC 1101
SOCI 1101, 1160

**Will satisfy the state requirements in U.S. & Georgia Constitution*
***Will satisfy the state requirements in U.S. and Georgia History*

AREA F MAJOR FIELD 18-19 HOURS

ITEC 2215 Intro to IT
ITEC 2260 Intro to Programming
ITEC 2270 Application Development
ITEC 2320 Networking Essentials
ITEC 2380 Web Development

Choose one (circle)
MATH 1251, 2120, 2252, 2253, 2260, 2270

3rd & 4th Years

IT UPPER DIVISION REQUIREMENTS
IT Upper Level Core Courses 21 HOURS

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

WEB APPLICATIONS DEVELOPMENT **24** HRS

Required (24 hours)
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

ADDITIONAL COURSES **15 HRS**

GRADUATION REQUIREMENT CHECKLIST

Oral Comp	☐	Tech Comp	☐		
History		☐ U.S.		☐ GA	
Constitution		☐ U.S.		☐ GA	
Applied for Graduation ☐ 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 6th		Optional 6th			

Year 2

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

Year 3

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

Year 4

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

NOTES:

Health Informatics

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2023-2024 Catalog (expires Summer 2029)

1st & 2nd Years Gen Ed & Area F

AREA A – Essential Skills 9-10 HOURS

ENGL 1101
ENGL 1102
MATH 1111,1112, 1113, or 1251

**MATH 1001/Learning Support may be required due to test scores*

AREA B – Institutional Options 4 HOURS

Area B Elective (ITEC 1001 recommended)

AREA C – Humanities/Fine Arts 6 HOURS
Literature-based Elective

Choose one (circle):
ENGL 2111, 2112, 2121, 2122, 2131, 2132, 2141, or 2142

AREA C Elective

COMM 1110 or COMM 1100

AREA D – Nat Science, Math, and Tech 11-12 HOURS
Area D Elective **Choose one (circle)**

MATH 1401, 1251, 1501, 2252, 2253, 2260, or 2270

Lab-Science Electives **Choose two (circle):**
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

**Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108*

AREA E – Social Science 12 HOURS

*POLS 1101
**HIST 2111 or 2112

Area E Elective **Choose two (circle):**
ANTH 1102
ECON 2105, 2106
HIST 1111, 1112,1190, 2111, 2112
GEOG 1101
POLS 2101, 2201, 2301, 2401
PSYC 1101
SOCI 1101,1160

**Will satisfy the state requirements in U.S. & Georgia Constitution*
***Will satisfy the state requirements in U.S. and Georgia History*

AREA F MAJOR FIELD 18-19 HOURS

ITEC 2215 Intro to IT
ITEC 2260 Intro to Programming
ITEC 2270 Application Development
ITEC 2320 Networking Essentials
ITEC 2380 Web Development

Choose one (circle)
MATH 1251, 2120, 2252, 2253, 2260, 2270

3rd & 4th Years

IT UPPER DIVISION REQUIREMENTS
IT Upper Level Core Courses 21 HOURS

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

Health Informatics **15** HRS

Required (9 hours)
HLSA 3310 American Health Care System
HLSA 3320 Health Care Management
HLSA 4470 Design & Management
Select two (2) from the following (6 hours)
HLSA 3350 Public Health & Epidemiology
HLSA 3360 Quality Management & Improvement
HLSA 4410 Health Law & Ethics
HLSA 4435 Managed Care

ADDITIONAL COURSES **24** HRS

GRADUATION REQUIREMENT CHECKLIST

Oral Comp	☐	Tech Comp	☐		
History		☐ U.S.		☐ GA	
Constitution		☐ U.S.		☐ GA	
Applied for Graduation ☐ Yes					

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 6th		Optional 6th			

Year 2

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

Year 3

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

Year 4

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

NOTES:

CYBER FORENSICS

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY *Audit Worksheet 2023-2024 Catalog (expires Summer 2029)*

1st & 2nd Years Gen Ed & Area F

AREA A – Essential Skills 9-10 HOURS

ENGL 1101
ENGL 1102
MATH 1111,1112, 1113, or 1251

**MATH 1001/Learning Support may be required based on test scores*

AREA B – Institutional Options 4 HOURS

Area B Elective (ITEC 1001 recommended)

AREA C – Humanities/Fine Arts 6 HOURS
Literature-based Elective

Choose one (circle):
ENGL 2111, 2112, 2121, 2122, 2131, 2132, 2141, or 2142

AREA C Elective

COMM 1110 or COMM 1100

AREA D – Nat Science, Math, and Tech 11-12 HOURS
Area D Elective **Choose one (circle)**

MATH 1401, 1251, 1501, 2252, 2253, 2260, 2270
Lab-Science Electives **Choose two (circle):**
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

**Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108*

AREA E – Social Science 12 HOURS

*POLS 1101 or 1101H
**HIST 2111, 2111H, 2112, or 2112H

Area E Elective **Choose two (circle):**
ANTH 1102,
ECON 2105 , 2106
HIST 1111, 1112,1190, 2111, 2112
GEOG 1101
POLS 2101, 2201, 2301, 2401
PSYC 1101
SOCI 1101, 1160

**Will satisfy the state requirements in U.S. & Georgia Constitution*
***Will satisfy the state requirements in U.S. and Georgia History*

AREA F MAJOR FIELD 18-19 HOURS

ITEC 2215 Intro to IT
ITEC 2260 Intro to Programming
ITEC 2270 Application Development
ITEC 2320 Networking Essentials
ITEC 2380 Web Development

Choose one (circle)
MATH 1251, 2120, 2252, 2253, 2260, 2270

3rd & 4th Years

IT UPPER DIVISION REQUIREMENTS
IT Upper Level Core Courses 21 HOURS

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

CYBERFORENSIC COURSES **21** HRS

Required
ITEC 4321 Forensics/Data Recovery
ITEC 4322 Advanced Forensics
ITEC 4341 Network Forensics and Incident Response Planning
CRJU 3200 Criminal Procedure and Evidence
CRJU 4310 White Collar and Cybercrime
Two Classes from the Following
ITEC 3328 Linux Systems Administration
ITEC 4344 Ethical Hacking
ITEC 4299 Special Topics in Cyber Forensics
ITEC 4323 Mobile Forensics

ADDITIONAL COURSES **18** HRS

GRADUATION REQUIREMENT CHECKLIST					
Oral Comp	☐	Tech Comp	☐		
History		☐ U.S.		☐ GA	
Constitution		☐ U.S.		☐ GA	
Applied for Graduation ☐ Yes					

CYBER FORENSICS

Degree Map

Year 1

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

Year 2

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

Year 3

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

Year 4

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

NOTES:

CYBERSECURITY

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY *Audit Worksheet 2023-2024 Catalog (expires Summer 2029)*

1st & 2nd Years Gen Ed & Area F

AREA A – Essential Skills 9-10 HOURS

ENGL 1101
ENGL 1102
MATH 1111,1112, 1113 , or 1251

**MATH 1001/Learning Support may be required due to test scores*

AREA B – Institutional Options 4 HOURS

Area B Elective (ITEC 1001 recommended)

AREA C – Humanities/Fine Arts 6 HOURS
Literature-based Elective

Choose one (circle):
ENGL 2111, 2112, 2121, 2122, 2131, 2132 , 2141, or 2142

AREA C Elective

COMM 1110 or COMM 1100

AREA D – Nat Science, Math, and Tech 11-12 HOURS
***Area D Elective* Choose one (circle)**

MATH 1401, 1251, 1501, 2252, 2253, 2260, or 2270

***Lab-Science Electives* Choose two (circle):**
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

**Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108*

AREA E – Social Science 12 HOURS

*POLS 1101
**HIST 2111 or 2112

***Area E Elective* Choose two (circle):**
ANTH 1102,
ECON 2105, 2106
HIST 1111, 1112,1190, 2111, 2112
GEOG 1101
POLS 2101, 2201, 2301, 2401
PSYC 1101
SOCI 1101, 1160

**Will satisfy the state requirements in U.S. & Georgia Constitution*
***Will satisfy the state requirements in U.S. and Georgia History*

AREA F MAJOR FIELD 18-19 HOURS

ITEC 2215 Intro to IT
ITEC 2260 Intro to Programming
ITEC 2270 Application Development
ITEC 2320 Networking Essentials
ITEC 2380 Web Development

Choose one (circle)
MATH 1251, 2120, 2252, 2253, 2260, 2270

3rd & 4th Years

IT UPPER DIVISION REQUIREMENTS
IT Upper Level Core Courses 21 HOURS

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

CYBERSECURITY COURSES **27** HRS

ITEC 3325 Windows System Admin
ITEC 3328 Linux Systems Admin
ITEC 4344 Ethical Hacking
ITEC 4321 Forensics and Data Recovery
ITEC 4341 Network Forensics & Incident Response Planning
ITEC 4361 Software Security
ITEC 4370 Virtual Computing
ITEC 4421 Network Security
MATH 3700 Applied Calculus for IT

ADDITIONAL COURSES **12** HRS

GRADUATION REQUIREMENT CHECKLIST

Oral Comp	☐	Tech Comp	☐		
History	☐ U.S.		☐ GA		
Constitution	☐ U.S.		☐ GA		
Applied for Graduation ☐ 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 6th		Optional 6th			

Year 2

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

Year 3

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

Year 4

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

NOTES:

Data Analytics

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2023-2024 Catalog (expires Summer 2029)

1st & 2nd Years Gen Ed & Area F

AREA A – Essential Skills 9-10 HOURS

ENGL 1101
ENGL 1102
MATH 1111,1112, 1113 , or 1251

**MATH 1101/ Learning Support may be required based on test scores.*

AREA B – Institutional Options 4 HOURS

Area B Elective (ITEC 1001 recommended)

AREA C – Humanities/Fine Arts 6 HOURS
Literature-based Elective

Choose one (circle):
ENGL 2111, 2112, 2121, 2122, 2131, 2132 , 2141, or 2142

AREA C Elective

COMM 1110 or COMM 1100

AREA D – Nat Science, Math, and Tech 11-12 HOURS
Area D Elective **Choose one (circle)**

MATH 1401, 1251, 1501, 2252, 2253, 2260, 2270
Lab-Science Electives **Choose two (circle):**
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

**Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108*

AREA E – Social Science 12 HOURS

*POLS 1101
**HIST 2111, 2112

Area E Elective **Choose two (circle):**
ANTH 1102,
ECON 2105, 2106
HIST 1111, 1112,1190, 2111, 2112
GEOG 1101
POLS 2101, 2201, 2301, 2401
PSYC 1101
SOCI 1101, 1160

**Will satisfy the state requirements in U.S. & Georgia Constitution*
***Will satisfy the state requirements in U.S. and Georgia History*

AREA F MAJOR FIELD 18-19 HOURS

ITEC 2215 Intro to IT
ITEC 2260 Intro to Programming
ITEC 2270 Application Development
ITEC 2320 Networking Essentials
ITEC 2380 Web Development

Choose one (circle)
MATH 1251, 2120, 2252, 2253, 2260, 2270

3rd & 4th Years

IT UPPER DIVISION REQUIREMENTS
IT Upper Level Core Courses 21 HOURS

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

Data Analytics **21** HRS

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

ADDITIONAL COURSES **18 HRS**

GRADUATION REQUIREMENT CHECKLIST

Oral Comp	☐	Tech Comp	☐		
History		☐ U.S.		☐ GA	
Constitution		☐ U.S.		☐ GA	
Applied for Graduation ☐ 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 6th		Optional 6th			

Year 2

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

Year 3

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

Year 4

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

NOTES:

INTEGRATED DIGITAL MEDIA & GAME DESIGN

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2023-2024 Catalog (expires Summer 2029)

1st & 2nd Years Gen Ed & Area F

AREA A – Essential Skills 9-10 HOURS

ENGL 1101
ENGL 1102
MATH 1111,1112, 1113, or 1251

**MATH 1101/Learning Support may be required due to test scores*

AREA B – Institutional Options 4 HOURS

Area B Elective (ITEC 1001 recommended)

AREA C – Humanities/Fine Arts 6 HOURS
Literature-based Elective

Choose one (circle):
ENGL 2111, 2112, 2121, 2122, 2131, 2132, 2141, or 2142

AREA C Elective

COMM 1110 or COMM 1100

AREA D – Nat Science, Math, and Tech 11-12 HOURS
Area D Elective **Choose one (circle)**

MATH 1401, 1251, 1501, 2252, 2253, 2260, or 2270

Lab-Science Electives **Choose two (circle):**
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

**Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108*

AREA E – Social Science 12 HOURS

*POLS 1101
**HIST 2111 or 2112

Area E Elective **Choose two (circle):**
ANTH 1102
ECON 2105, 2106
HIST 1111, 1112,1190, 2111, 2112
GEOG 1101
POLS 2101, 2201, 2301, 2401
PSYC 1101
SOCI 1101,1160

**Will satisfy the state requirements in U.S. & Georgia Constitution*
***Will satisfy the state requirements in U.S. and Georgia History*

AREA F MAJOR FIELD 18-19 HOURS

ITEC 2215 Intro to IT
ITEC 2260 Intro to Programming
ITEC 2270 Application Development
ITEC 2320 Networking Essentials
ITEC 2380 Web Development

Choose one (circle)
MATH 1251, 2120, 2252, 2253, 2260, 2270

3rd & 4th Years

IT UPPER DIVISION REQUIREMENTS
IT Upper Level Core Courses 21 HOURS

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

INTEGRATED DIGITAL MEDIA & GAME DESIGN **21** HRS

Required (15 hours)
ITEC 3236 Interactive Digital Media
ITEC 4230 Graphic Imaging
ITEC 4238 2D Computer Animation
ITEC 4237 3D Modeling
ITEC 4255 Game Design and Development
Select two (2) from the following (6 hours)
ITEC 4284 Web Multimedia Delivery
NMAC 3600 Digital Storytelling
NMAC 3108 Writing for Digital Media
NMAC 3145 Digital Media Studio
ITEC 4299 Special Topics in Digital Media & Game Design

ADDITIONAL COURSES **18** HRS

GRADUATION REQUIREMENT CHECKLIST

Oral Comp	☐	Tech Comp	☐		
History		☐ U.S.		☐ GA	
Constitution		☐ U.S.		☐ GA	
Applied for Graduation ☐ Yes					

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 6th		Optional 6th			

Year 2

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

Year 3

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

Year 4

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

NOTES:

Financial Technology

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2023-2024 Catalog (expires Summer 2029)

1st & 2nd Years Gen Ed & Area F

AREA A – Essential Skills 9-10 HOURS

ENGL 1101
ENGL 1102
MATH 1111,1112, 1113, or 1251

**MATH 1001/Learning Support may be required due to test scores*

AREA B – Institutional Options 4 HOURS

Area B Elective (ITEC 1001 recommended)

AREA C – Humanities/Fine Arts 6 HOURS
Literature-based Elective

Choose one (circle):
ENGL 2111, 2112, 2121, 2122, 2131, 2132, 2141, or 2142

AREA C Elective

COMM 1110 or COMM 1100

AREA D – Nat Science, Math, and Tech 11-12 HOURS
Area D Elective **Choose one (circle)**

MATH 1401, 1251, 1501, 2252, 2253, 2260, or 2270

Lab-Science Electives **Choose two (circle):**
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

**Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108*

AREA E – Social Science 12 HOURS

*POLS 1101
**HIST 2111 or 2112

Area E Elective **Choose two (circle):**
ANTH 1102
ECON 2105, 2106
HIST 1111, 1112,1190, 2111, 2112
GEOG 1101
POLS 2101, 2201, 2301, 2401
PSYC 1101
SOCI 1101,1160

**Will satisfy the state requirements in U.S. & Georgia Constitution*
***Will satisfy the state requirements in U.S. and Georgia History*

AREA F MAJOR FIELD 18-19 HOURS

ITEC 2215 Intro to IT
ITEC 2260 Intro to Programming
ITEC 2270 Application Development
ITEC 2320 Networking Essentials
ITEC 2380 Web Development

Choose one (circle)
MATH 1251, 2120, 2252, 2253, 2260, 2270

3rd & 4th Years

IT UPPER DIVISION REQUIREMENTS
IT Upper Level Core Courses 21 HOURS

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

Financial Technology **21** HRS

Required (15 hours)
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

Choose any Two (2) of the following
FTA 3810 Payment Processing
FTA 3850 Digital Payments Security
FTA 3860 Emerging Payment Technologies

ADDITIONAL COURSES **18** HRS

FTA 2xxx/3xxx/4xxx courses or ITEC 3XXX/4XXX courses

GRADUATION REQUIREMENT CHECKLIST

Oral Comp	☐	Tech Comp	☐		
History		☐ U.S.		☐ GA	
Constitution		☐ U.S.		☐ GA	
Applied for Graduation ☐ Yes					

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 6th		Optional 6th			

Year 2

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

Year 3

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

Year 4

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

NOTES:

GENERALIST

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2023-2024 Catalog (expires Summer 2029)

1st & 2nd Years Gen Ed & Area F

AREA A – Essential Skills 9-10 HOURS

ENGL 1101
ENGL 1102
MATH 1111,1112, 1113, or 1251

**MATH 1001/Learning Support may be required based on test scores*

AREA B – Institutional Options 4 HOURS

Area B Elective (ITEC 1001 recommended)

AREA C – Humanities/Fine Arts 6 HOURS
Literature-based Elective

Choose one (circle):
ENGL 2111, 2112, 2121, 2122, 2131, 2132, 2141, or 2142

AREA C Elective

COMM 1110 or COMM 1100

AREA D – Nat Science, Math, and Tech 11-12 HOURS
Area D Elective **Choose one (circle)**

MATH 1401, 1251, 1501, 2252, 2253, 2260, 2270
Lab-Science Electives **Choose two (circle):**
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

**Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108*

AREA E – Social Science 12 HOURS

*POLS 1101 or 1101H
**HIST 2111, 2111H, 2112, or 2112H

Area E Elective **Choose two (circle):**
ANTH 1102,
ECON 2105 , 2106
HIST 1111, 1112,1190, 2111, 2112
GEOG 1101
POLS 2101, 2201, 2301, 2401
PSYC 1101
SOCI 1101, 1160

**Will satisfy the state requirements in U.S. & Georgia Constitution*
***Will satisfy the state requirements in U.S. and Georgia History*

AREA F MAJOR FIELD 18-19 HOURS

ITEC 2215 Intro to IT
ITEC 2260 Intro to Programming
ITEC 2270 Application Development
ITEC 2320 Networking Essentials
ITEC 2380 Web Development

Choose one (circle)
MATH 1251, 2120, 2252, 2253, 2260, 2270

3rd & 4th Years

IT UPPER DIVISION REQUIREMENTS
IT Upper Level Core Courses 21 HOURS

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

Upper Level ITEC Electives **39** HRS

GRADUATION REQUIREMENT CHECKLIST

Oral Comp	☐	Tech Comp	☐		
History		☐ U.S.		☐ GA	
Constitution		☐ U.S.		☐ GA	
Applied for Graduation ☐ Yes					

CYBER FORENSICS

Degree Map

Year 1

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

Year 2

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

Year 3

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

Year 4

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

NOTES:

NETWORK TECHNOLOGY & ADMINISTRATION

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2023-2024 Catalog (expires Summer 2029)

1st & 2nd Years Gen Ed & Area F

AREA A – Essential Skills 9-10 HOURS

ENGL 1101
ENGL 1102
MATH 1111,1112, 1113, or 1251

**MATH 1001/Learning Support may be required based on test scores*

AREA B – Institutional Options 4 HOURS

Area B Elective (ITEC 1001 recommended)

AREA C – Humanities/Fine Arts 6 HOURS
Literature-based Elective

Choose one (circle):
ENGL 2111, 2112, 2121, 2122, 2131 , 2132 , 2141, or 2142

AREA C Elective

COMM 1110 or COMM 1100

AREA D – Nat Science, Math, and Tech 11-12 HOURS
Area D Elective **Choose one (circle)**

MATH 1401, 1251, 1501, 2252, 2253, 2260, or 2270

Lab-Science Electives **Choose two (circle):**
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

**Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108*

AREA E – Social Science 12 HOURS

*POLS 1101
**HIST 2111 or 2112

Area E Elective **Choose two (circle):**
ANTH 1102,
ECON 2105,2106
HIST 1111, 1112,1190, 2111, 2112
GEOG 1101
POLS 2101, 2201, 2301, 2401
PSYC 1101
SOCI 1101, 1160

**Will satisfy the state requirements in U.S. & Georgia Constitution*
***Will satisfy the state requirements in U.S. and Georgia History*

AREA F MAJOR FIELD 18-19 HOURS

ITEC 2215 Intro to IT
ITEC 2260 Intro to Programming
ITEC 2270 Application Development
ITEC 2320 Networking Essentials
ITEC 2380 Web Development

Choose one (circle)
MATH 1251, 2120, 2252, 2253, 2260, 2270

3rd & 4th Years

IT UPPER DIVISION REQUIREMENTS
IT Upper Level Core Courses 21 HOURS

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

NETWORK TECH & ADMIN COURSES **21** HRS

Required (15 hours)
ITEC 3325 - Windows Systems Administration
ITEC 3328 - Linux Systems Administration
ITEC 4329 - Data Communications
ITEC 4370 - Virtual Computing
ITEC 4421 - Network Security
Select two (2) from the following (6 hours)
ITEC 3220 - Hardware and Systems
ITEC 4285 - Network Services
ITEC 4242 - Database Administration
ITEC 4324 - Wireless Technologies
ITEC 4299 - Special Topics in Networking Technologies and Administration

ADDITIONAL COURSES **18** HRS

GRADUATION REQUIREMENT CHECKLIST

Oral Comp	☐	Tech Comp	☐		
History		☐ U.S.		☐ GA	
Constitution		☐ U.S.		☐ GA	
Applied for Graduation ☐ Yes					

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 6th		Optional 6th			

Year 2

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

Year 3

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

Year 4

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

NOTES:

SOFTWARE ENGINEERING

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2023-2024 Catalog (expires Summer 2029)

1st & 2nd Years Gen Ed & Area F

AREA A – Essential Skills 9-10 HOURS

ENGL 1101
ENGL 1102
MATH 1111,1112, 1113 , or 1251

**MATH 1101/ Learning Support may be required based on test scores.*

AREA B – Institutional Options 4 HOURS

Area B Elective (ITEC 1001 recommended)

AREA C – Humanities/Fine Arts 6 HOURS
Literature-based Elective

Choose one (circle):
ENGL 2111, 2112, 2121, 2122, 2131, 2132 , 2141, or 2142

AREA C Elective

COMM 1110 or COMM 1100

AREA D – Nat Science, Math, and Tech 11-12 HOURS
Area D Elective **Choose one (circle)**

MATH 1401, 1251, 1501, 2252, 2253, 2260, 2270
Lab-Science Electives **Choose two (circle):**
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

**Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108*

AREA E – Social Science 12 HOURS

*POLS 1101
**HIST 2111, 2112

Area E Elective **Choose two (circle):**
ANTH 1102,
ECON 2105, 2106
HIST 1111, 1112,1190, 2111, 2112
GEOG 1101
POLS 2101, 2201, 2301, 2401
PSYC 1101
SOCI 1101, 1160

**Will satisfy the state requirements in U.S. & Georgia Constitution*
***Will satisfy the state requirements in U.S. and Georgia History*

AREA F MAJOR FIELD 18-19 HOURS

ITEC 2215 Intro to IT
ITEC 2260 Intro to Programming
ITEC 2270 Application Development
ITEC 2320 Networking Essentials
ITEC 2380 Web Development

Choose one (circle)
MATH 1251, 2120, 2252, 2253, 2260, 2270

3rd & 4th Years

IT UPPER DIVISION REQUIREMENTS
IT Upper Level Core Courses 21 HOURS

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

SOFTWARE ENGINEERING **30** HRS

Required (30 hours)
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

ADDITIONAL COURSES **9 HRS**

GRADUATION REQUIREMENT CHECKLIST

Oral Comp	☐	Tech Comp	☐		
History		☐ U.S.		☐ GA	
Constitution		☐ U.S.		☐ GA	
Applied for Graduation ☐ 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 6th		Optional 6th			

Year 2

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

Year 3

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

Year 4

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

NOTES:

Tech Entrepreneurship & Management

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY *Audit Worksheet 2023-2024 Catalog (expires Summer 2029)*

1st & 2nd Years Gen Ed & Area F

AREA A – Essential Skills 9-10 HOURS

ENGL 1101
ENGL 1102
MATH 1111,1112, 1113, or 1251

**MATH 1001/Learning Support may be required based on test scores*

AREA B – Institutional Options 4 HOURS

Area B Elective (ITEC 1001 recommended)

AREA C – Humanities/Fine Arts 6 HOURS
Literature-based Elective

Choose one (circle):
ENGL 2111, 2112, 2121, 2122, 2131, 2132, 2141, or 2142

AREA C Elective

COMM 1110 or COMM 1100

AREA D – Nat Science, Math, and Tech 11-12 HOURS
Area D Elective **Choose one (circle)**

MATH 1401, 1251, 1501, 2252, 2253, 2260, 2270
Lab-Science Electives **Choose two (circle):**
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

**Students cannot receive graduation credit for both BIOL 1001 and BIOL 2107 or for both BIOL 1002 and BIOL 2108*

AREA E – Social Science 12 HOURS

*POLS 1101 or 1101H
**HIST 2111, 2111H, 2112, or 2112H

Area E Elective **Choose two (circle):**
ANTH 1102,
ECON 2105 , 2106
HIST 1111, 1112,1190, 2111, 2112
GEOG 1101
POLS 2101, 2201, 2301, 2401
PSYC 1101
SOCI 1101, 1160

**Will satisfy the state requirements in U.S. & Georgia Constitution*
***Will satisfy the state requirements in U.S. and Georgia History*

AREA F MAJOR FIELD 18-19 HOURS

ITEC 2215 Intro to IT
ITEC 2260 Intro to Programming
ITEC 2270 Application Development
ITEC 2320 Networking Essentials
ITEC 2380 Web Development

Choose one (circle)
MATH 1251, 2120, 2252, 2253, 2260, 2270

3rd & 4th Years

IT UPPER DIVISION REQUIREMENTS
IT Upper Level Core Courses 21 HOURS

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

Tech Entrepreneurship & Management **21** HRS

Required (15 hours)
ITEC 3400 Technology Entrepreneurship
ITEC 3405 Creativity & Innovation
TEC 3410 Startups Financing and Marketing Strategies
ITEC 3415 Managing & Growing an IT Venture
ITEC 4760 Business Plan Development
Select two (2) from the following: (6 hours)
Approved ITEC or Business courses

ADDITIONAL COURSES **18** HRS

GRADUATION REQUIREMENT CHECKLIST					
Oral Comp	☐	Tech Comp	☐		
History		☐ U.S.		☐ GA	
Constitution		☐ U.S.		☐ GA	
Applied for Graduation ☐ Yes					

Tech Entrepreneurship & Management

Degree Map

Year 1

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

Year 2

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

Year 3

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

Year 4

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

NOTES: