CYBER FORENSICS

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2024-2025 Catalog (expires Summer 2030)

General Education

AREA I – Institutional Priority — 4 HOURS

Area I Perspective Elective (ITEC 1001 recommended)

AREA M – Mathematics & Quantitative Skills — 3 HOURS

MATH 1111,1112, 1113, or 1251

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

AREA P – Political Science & U.S. History — 6 HOURS

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

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

AREA A – Arts, Humanities, & Ethics — 6 HOURS

Literature Based Elective

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

Area A Elective

COMM 1110 or COMM 1100

AREA C – Communicating in Writing — 6 HOURS

ENGL 1101
ENGL 1102

ENGL 1101 may require Learning Support based on test scores

AREA T- Technology, Mathematics, & Sciences — 11 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 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 S- Social Sciences — 6 HOURS

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

Major Requirements

Field of Study — 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
MATH 2120- Discrete Mathematics

Upper-Level Core Requirements — 21 HOURS

IT Upper Level Core Courses

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

Cyber Forensics Concentration — 21 HOURS

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 4323 Mobile Forensics

Additional Upper-Level Electives — 18 HOURS

An ITEC elective is any 3000 or 4000 level ITEC course where the prerequisite has been met.

CYBERSECURITY

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2024-2025 Catalog (expires Summer 2030)

General Education

AREA I – Institutional Priority — 4 HOURS

Area I Perspective Elective (ITEC 1001 recommended)

AREA M – Mathematics & Quantitative Skills — 3 HOURS

MATH 1111,1112, 1113, or 1251

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

AREA P – Political Science & U.S. History — 6 HOURS

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

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

AREA A – Arts, Humanities, & Ethics — 6 HOURS

Literature Based Elective

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

Area A Elective

COMM 1110 or COMM 1100

AREA C – Communicating in Writing — 6 HOURS

ENGL 1101
ENGL 1102

*ENGL 1101 may require Learning Support based on test scores

AREA T- Technology, Mathematics, & Sciences — 11 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 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 S- Social Sciences — 6 HOURS

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

Major Requirements

Field of Study — 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
MATH 2120- Discrete Mathematics

Upper-Level Core Requirements — 21 HOURS

IT Upper Level Core Courses

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 Concentration — 27 HOURS

Required
ITEC 3325 Windows Systems Administration
ITEC 3328 Linux Systems Administration
ITEC 4321 Forensics/Data Recovery
ITEC 4341 Network Forensics and Incident Response Planning
ITEC 4344 Ethical Hacking
ITEC 4361 Software Security
ITEC 4370 Virtual Computing
ITEC 4421 Network Security
MATH 3700 Applied Calculus for Information Technology

Additional Upper-Level Electives — 12 HOURS

*An ITEC elective is any 3000 or 4000 level ITEC course where the prerequisite has been met.

DATA ANALYTICS

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2024-2025 Catalog (expires Summer 2030)

General Education

AREA I – Institutional Priority   4 HOURS

Area I Perspective Elective (ITEC 1001 recommended)

AREA M – Mathematics & Quantitative Skills   3 HOURS

MATH 1111,1112, 1113, or 1251

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

AREA P – Political Science & U.S. History   6 HOURS

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

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

AREA A – Arts, Humanities, & Ethics   6 HOURS

Literature Based Elective

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

Area A Elective

COMM 1110 or COMM 1100

AREA C – Communicating in Writing   6 HOURS

ENGL 1101
ENGL 1102

ENGL 1101 may require Learning Support based on test scores

AREA T- Technology, Mathematics, & Sciences   11 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 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 S- Social Sciences   6 HOURS

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

Major Requirements

Field of Study   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
MATH 2120- Discrete Mathematics

Upper-Level Core Requirements   21 HOURS

IT Upper Level Core Courses

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 Concentration   21 HOURS

Required
MATH 3440 Data Exploration and Visualization
MATH 3500 Applied Probability
MATH 4611 Applied Statistics I
ITEC 3100 Python Scripting
ITEC 3351 Analytics and Organizational Intelligence
ITEC 3355 Data Mining
ITEC 4244 Database Programming

Additional Upper-Level Electives   18 HOURS

An ITEC elective is any 3000 or 4000 level ITEC course where the prerequisite has been met.

INTEGRATED DIGITAL MEDIA AND GAME DESIGN

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2024-2025 Catalog (expires Summer 2030)

General Education

AREA I – Institutional Priority — 4 HOURS

Area I Perspective Elective (ITEC 1001 recommended)

AREA M – Mathematics & Quantitative Skills — 3 HOURS

MATH 1111,1112, 1113, or 1251

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

AREA P – Political Science & U.S. History — 6 HOURS

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

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

AREA A – Arts, Humanities, & Ethics — 6 HOURS

Literature Based Elective

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

Area A Elective

COMM 1110 or COMM 1100

AREA C – Communicating in Writing — 6 HOURS

ENGL 1101
ENGL 1102

ENGL 1101 may require Learning Support based on test scores

AREA T- Technology, Mathematics, & Sciences — 11 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 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 S- Social Sciences — 6 HOURS

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

Major Requirements

Field of Study — 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
MATH 2120- Discrete Mathematics

Upper-Level Core Requirements — 21 HOURS

IT Upper Level Core Courses

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

Digital Media and Game Design Concentration — 21 HOURS

Required
ITEC 3236 Interactive Digital Media
ITEC 4230 Graphic Imaging
ITEC 4238 2D Computer Animation
ITEC 4237 3D Modeling and Animation
ITEC 4255 Game Design and Development
Select two from the following:
ITEC 4250 Computational Intelligence
ITEC 4284 Web Multimedia Delivery
NMAC 3108 Writing for Digital Media
NMAC 3145 Introduction to Media Production
NMAC 3600 Digital Storytelling

Additional Upper-Level Electives — 18 HOURS

An ITEC elective is any 3000 or 4000 level ITEC course where the prerequisite has been met.

FINANCIAL TECHNOLOGY

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2024-2025 Catalog (expires Summer 2030)

General Education

AREA I – Institutional Priority   4 HOURS

Area I Perspective Elective (ITEC 1001 recommended)

AREA M – Mathematics & Quantitative Skills   3 HOURS

MATH 1111,1112, 1113, or 1251

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

AREA P – Political Science & U.S. History   6 HOURS

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

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

AREA A – Arts, Humanities, & Ethics   6 HOURS

Literature Based Elective

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

Area A Elective

COMM 1110 or COMM 1100

AREA C – Communicating in Writing   6 HOURS

ENGL 1101
ENGL 1102

*ENGL 1101 may require Learning Support based on test scores

AREA T- Technology, Mathematics, & Sciences   11 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 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 S- Social Sciences   6 HOURS

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

Major Requirements

Field of Study   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
MATH 2120- Discrete Mathematics

Upper-Level Core Requirements   21 HOURS

IT Upper Level Core Courses

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

FinTech Concentration   21 HOURS

Required
FTA 4001 Foundations of FinTech
FTA 4002 Financial Technologies
FTA 4003 Commercial Banking and FinTech
FTA 4005 Introduction to Financial Data Analysis
FTA 4100 Introduction to Information Security for FinTech

Select two from the following:
FTA 3810 Payment Processing
FTA 3850 Digital Payments Security
FTA 3860 Emerging Payment Technologies

Additional Upper-Level Electives   18 HOURS

*An ITEC elective is any 3000 or 4000 level ITEC course where the prerequisite has been met.

GENERALIST

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2024-2025 Catalog (expires Summer 2030)

General Education

AREA I – Institutional Priority · 4 HOURS

Area I Perspective Elective (ITEC 1001 recommended)

AREA M – Mathematics & Quantitative Skills · 3 HOURS

MATH 1111,1112, 1113, or 1251

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

AREA P – Political Science & U.S. History · 6 HOURS

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

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

AREA A – Arts, Humanities, & Ethics · 6 HOURS

Literature Based Elective

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

Area A Elective

COMM 1110 or COMM 1100

AREA C – Communicating in Writing · 6 HOURS

ENGL 1101
ENGL 1102

*ENGL 1101 may require Learning Support based on test scores

AREA T- Technology, Mathematics, & Sciences · 11 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 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 S- Social Sciences · 6 HOURS

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

Major Requirements

Field of Study · 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
MATH 2120- Discrete Mathematics

Upper-Level Core Requirements · 21 HOURS

IT Upper Level Core Courses

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

Generalist Concentration · 39 HOURS

*An ITEC elective is any 3000 or 4000 level ITEC course where the prerequisite has been met.

HEALTH INFORMATICS

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2024-2025 Catalog (expires Summer 2030)

General Education

AREA I – Institutional Priority — 4 HOURS

Area I Perspective Elective (ITEC 1001 recommended)

AREA M – Mathematics & Quantitative Skills — 3 HOURS

MATH 1111,1112, 1113, or 1251

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

AREA P – Political Science & U.S. History — 6 HOURS

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

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

AREA A – Arts, Humanities, & Ethics — 6 HOURS

Literature Based Elective

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

Area A Elective

COMM 1110 or COMM 1100

AREA C – Communicating in Writing — 6 HOURS

ENGL 1101
ENGL 1102

ENGL 1101 may require Learning Support based on test scores

AREA T- Technology, Mathematics, & Sciences — 11 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 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 S- Social Sciences — 6 HOURS

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

Major Requirements

Field of Study — 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
MATH 2120- Discrete Mathematics

Upper-Level Core Requirements — 21 HOURS

IT Upper Level Core Courses

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 Concentration — 15 HOURS

Required
HLSA 3310 American Health Care System
HLSA 3320 Health Care Management
HLSA 4470 Design & Management

Select two from the following:
HLSA 3350 Public Health & Epidemiology
HLSA 3360 Quality Management and Improvement
HLSA 4410 Health Law & Ethics
HLSA 4435 Managed Care

Additional Upper-Level Electives — 24 HOURS

An ITEC elective is any 3000 or 4000 level ITEC course where the prerequisite has been met.

NETWORKING TECHNOLOGIES AND ADMINISTRATION

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2024-2025 Catalog (expires Summer 2030)

General Education

AREA I – Institutional Priority — 4 HOURS

Area I Perspective Elective (ITEC 1001 recommended)

AREA M – Mathematics & Quantitative Skills — 3 HOURS

MATH 1111,1112, 1113, or 1251

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

AREA P – Political Science & U.S. History — 6 HOURS

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

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

AREA A – Arts, Humanities, & Ethics — 6 HOURS

Literature Based Elective

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

Area A Elective

COMM 1110 or COMM 1100

AREA C – Communicating in Writing — 6 HOURS

ENGL 1101
ENGL 1102

*ENGL 1101 may require Learning Support based on test scores

AREA T- Technology, Mathematics, & Sciences — 11 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 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 S- Social Sciences — 6 HOURS

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

Major Requirements

Field of Study — 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
MATH 2120- Discrete Mathematics

Upper-Level Core Requirements — 21 HOURS

IT Upper Level Core Courses

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

Networking Technologies Concentration — 21 HOURS

Required
ITEC 3325 Windows Systems Administration
ITEC 3328 Linux Systems Administration
ITEC 4329 Data Communications
ITEC 4370 Virtual Computing
ITEC 4421 Network Security
Select two from the following:
ITEC 3220 Hardware and Systems Software
ITEC 4242 Database Administration
ITEC 4285 Network Services
ITEC 4330 Routing and Switching
ITEC 4332 Firewalls and VPNs

Additional Upper-Level Electives — 18 HOURS

*An ITEC elective is any 3000 or 4000 level ITEC course where the prerequisite has been met.

SOFTWARE ENGINEERING

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2024-2025 Catalog (expires Summer 2030)

General Education

AREA I – Institutional Priority — 4 HOURS

Area I Perspective Elective (ITEC 1001 recommended)

AREA M – Mathematics & Quantitative Skills — 3 HOURS

MATH 1111,1112, 1113, or 1251

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

AREA P – Political Science & U.S. History — 6 HOURS

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

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

AREA A – Arts, Humanities, & Ethics — 6 HOURS

Literature Based Elective

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

Area A Elective

COMM 1110 or COMM 1100

AREA C – Communicating in Writing — 6 HOURS

ENGL 1101
ENGL 1102

*ENGL 1101 may require Learning Support based on test scores

AREA T- Technology, Mathematics, & Sciences — 11 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 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 S- Social Sciences — 6 HOURS

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

Major Requirements

Field of Study — 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
MATH 2120- Discrete Mathematics

Upper-Level Core Requirements — 21 HOURS

IT Upper Level Core Courses

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 Concentration — 30 HOURS

Required
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
Select one from the following:
ITEC 4261 Intro to JAVA Programming
ITEC 4266 C++ Programming

Additional Upper-Level Electives — 9 HOURS

*An ITEC elective is any 3000 or 4000 level ITEC course where the prerequisite has been met.

WEB APPLICATIONS DEVELOPMENT

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2024-2025 Catalog (expires Summer 2030)

General Education	Major Requirements

General Education

AREA I – Institutional Priority — 4 HOURS

Area I Perspective Elective (ITEC 1001 recommended)

AREA M – Mathematics & Quantitative Skills — 3 HOURS

MATH 1111,1112, 1113, or 1251

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

AREA P – Political Science & U.S. History — 6 HOURS

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

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

AREA A – Arts, Humanities, & Ethics — 6 HOURS

Literature Based Elective

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

Area A Elective

COMM 1110 or COMM 1100

AREA C – Communicating in Writing — 6 HOURS

ENGL 1101
ENGL 1102

*ENGL 1101 may require Learning Support based on test scores

AREA T- Technology, Mathematics, & Sciences — 11 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 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 S- Social Sciences — 6 HOURS

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

Major Requirements

Field of Study — 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
MATH 2120- Discrete Mathematics

Upper-Level Core Requirements — 21 HOURS

IT Upper Level Core Courses

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 Concentration — 24 HOURS

Required
ITEC 3280 Web Programming
ITEC 4244 Database Programming
ITEC 4261 Intro to JAVA Programming
ITEC 4264 Data Structures and Algorithm Analysis
ITEC 4286 Web Applications Development
ITEC 4361 Software Security
ITEC 4366 Advanced Web Development
ITEC 4269 Client/Server Systems Programming

Additional Upper-Level Electives — 15 HOURS

*An ITEC elective is any 3000 or 4000 level ITEC course where the prerequisite has been met.