

**MIDDLE GEORGIA STATE UNIVERSITY BACHELOR OF
SCIENCE IN INFORMATION TECHNOLOGY Audit Worksheet
2015-2016 Catalog (expires Summer 2021)**

Name:

ID#:

Advisor:

GENERAL EDUCATION REQUIREMENTS		
AREA A – Essential Skills	9-10 HOURS	
ENGL 1101		
ENGL 1102 or 1102H		
MATH 1111, 1112, 1113, 1113H, or 1251		
*MATH 1101 is required if SAT Math < 550 or ACT < 24		

AREA B – Institutional Options	4 HOURS	
FYES 1001 (required for new f2f students & students with < than 18 transfer hrs) Credit hours cannot be used for graduation.		
Area B Elective (ITEC 1001 recommended)		

AREA C – Humanities/Fine Arts	6 HOURS	
<i>Literature-based Elective</i> Choose one (circle): ENGL 2111***, 2112***, 2121, 2122, 2131, 2131H, 2132, 2132H, 2141, 2142,		
<i>Area C Elective</i> COMM 1110 or COMM1100		

AREA D – Nat Science, Math, and Tech	11-12 HOURS	
<i>Area D Elective</i> Choose one (circle) MATH 1200, 1401, 1251 1501, 2252, 2253, 2260, 2270		
<i>Lab-Science Electives</i> Choose two (circle): ASTR 1010K, 1020K, BIOL 1001K, 1001K-H, 1002K, 1002K-H, 2107K, 2108K,* CHEM 1151K, 1152K, 1211K, 1212K GEOL 1125, 1126, 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		
<i>Area E Elective</i> Choose two (circle): 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, SOC 1101, 1101H, 1160		
*Will satisfy the state requirements in U.S. & Georgia Constitution **Will satisfy the state requirements in U.S. and Georgia History *** Will satisfy the state requirements for Global Perspectives		

AREA F			18-19 HOURS	
MAJOR FIELD	HRS	GRADE		
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, 1501, 2120, 2252, 2253, 2260, 2270				

IT UPPER DIVISION REQUIREMENTS		
IT Upper Level Core Courses	30 HOURS	
ITEC 3155 Systems Analysis & Design		
ITEC 3235 Human Computer Interaction		
ITEC 3236 Interactive Digital Media		
ITEC 3245 Database Principles		
ITEC 3280 Web Programming		
ITEC 3300 Project Management		
ITEC 3310 IT and Organizational Integration		
ITEC 4200 Foundations of Info Assurance		
ITEC 4205 Legal and Ethical Issues in IT		
ITEC 4750 Senior Capstone		

IT Upper-Level Major Courses or Concentration			15 HRS	

IT Courses, Concentration or Informatics			15 HRS	

GRADUATION REQUIREMENT CHECKLIST					
Oral Comp	<input type="checkbox"/>	Tech Comp	<input type="checkbox"/>	Global Perspect	<input type="checkbox"/>
History	<input type="checkbox"/>	U.S.	<input type="checkbox"/>	GA	<input type="checkbox"/>
Constitution	<input type="checkbox"/>	U.S.	<input type="checkbox"/>	GA	<input type="checkbox"/>
Applied for Graduation <input type="checkbox"/> Yes					

Minimum 120 Semester Hours Required to Graduate

Note: Transfer students with an associate's or bachelor's degree that satisfy Middle Georgia State University's general education course requirements may complete our Area F (ITEC 2215, ITEC 2260, ITEC 2270, ITEC 2320, and ITEC 2380) and receive partial credit toward IT upper-level electives.

IT Concentrations: 15 Hours

Network Technologies & Administration	Select Five From the Following Courses	PREQ*	
The Network Technologies & Administration concentration educates students in the use of current concepts and technologies of networking. Students will learn to analyze the needs of organizations, communicate the needs to the users, and then design and build networks to meet those needs. Graduates will be prepared for positions in networking or systems administration.	ITEC 3325 Windows System Administration	2320	
	ITEC 3328 Linux Systems Administration	2320	
	ITEC 4242 Database Administration	3245	
	ITEC 4285 Web Server Administration	2320,2380	
	ITEC 4321 Forensics/Data Recovery	2320	
	ITEC 4324 Wireless Technologies	2320	
	ITEC 4329 Data Communications	2320	
	ITEC 4370 Virtual Computing	2320	
	ITEC 4421 Network Security	2320	
	...and other courses in this area as approved by the Dean	* grade ≥ "C"	
Information Assurance and Security	Select Five From the Following Courses	PREQ*	
The Information Assurance and Security concentration involves detecting, reporting, and responding to cyber threats, making encryption codes to securely pass information between systems, and taking appropriate measures to ensure the security of valuable information. Students will learn about digital evidence, computer crime and law, and server and network security important to law enforcement, forensic science, and information systems security.	ITEC 4242 Database Administration	3245	
	ITEC 4285 Web Server Administration	2320,2380	
	ITEC 4321 Forensics/Data Recovery	2320	
	ITEC 4322 Advanced Digital Forensics	4321	
	ITEC 4341 Incident Response and Contingency Planning	4200	
	ITEC 4361 Software and Database Security	3245 & 4200 and either ITEC 2270 or CSCI 1302	
	ITEC 4370 Virtual Computing	2320	
	ITEC 4421 Network Security	2320	
...and other courses in this area as approved by the Dean	* grade ≥ "C"		
Integrated Digital Media	Required	PREQ*	
The Integrated Digital Media concentration prepares students in the design and development of products for use in a variety of IT applications. Through the various courses, students will develop competencies in evaluating user and product needs and in designing, developing, and implementing digital media products to meet those needs. Students learn a broad range of skills including graphic design and production, interface design, and analysis and design techniques for constructing interactive applications. Graduates will find career opportunities as digital media designers and developers, specialists, and trainers.	ITEC 4230 Graphic Imaging	3236	
	ITEC 4238 2D Computer Animation	3236	
	ITEC 4284 Web Multimedia Delivery	4230	
	Select Two From the Following Courses		
	NMAC 3108 Writing for Digital Media	ENGL 1102	
	NMAC 3145 Digital Media Studio	ENGL 1102	
	NMAC 3600 Digital Storytelling	ENGL 1102	
	NMAC 4450 Visual Rhetoric: Principles of Production	ENGL 1102	
	NMAC 4451 Advanced Video Production	ENGL 4450 or NMAC 4450	
	ITEC 4231 Designing Content for Instructional Apps	3235, 3236	
	ITEC 4250 Artificial Intelligence	2270, 3236	
	...and other courses in this area as approved by the Dean	* grade ≥ "C"	
	Software Development	Required	PREQ*
The Software Development concentration prepares students for the design, development, and implementation of software solutions. Graduates will be prepared for a variety of careers including software developers or systems, application, or database programmers.	ITEC 3264 Data Structures & Algorithm Analysis	ITEC 2270 or CSCI 1302	
	Select Four From the Following Courses		
	ITEC 4244 Database Programming	2270,3245	
	ITEC 4248 Web Development Environments	3280	
	ITEC 4261 Java Programming	ITEC 2270 or CSCI 1302	
	ITEC 4266 C++ Programming	ITEC 2270 or CSCI 1302	
	ITEC 4269 Visual Basic for Client/Server Systems	3245 and either ITEC 2270 or CSCI 1302	
	ITEC 4286 Web Applications Development	3280	
	ITEC 4361 Software and Database Security	3245 & 4200 and either ITEC 2270 or CSCI 1302	
	...and other courses in this area as approved by the Dean	* grade ≥ "C"	
	Gaming Design and Development	Select Five From the Following Courses	PREQ*
The Gaming Design and Development concentration provides students with an understanding of the theory, design and programming techniques required for developing interactive games. This concentration will equip students with the theoretical and practical knowledge for careers in the games and simulation industries.	ITEC 3264 Data Structures and Algorithm Analysis	ITEC 2270 or CSCI 1302	
	ITEC 4230 Graphic Imaging	3236	
	ITEC 4238 2D Computer Animation	3236	
	ITEC 4250 Artificial Intelligence	2270,3236	
	ITEC 4255 Game Design and Development	3235,4230,4238, and CSCI 4250	
	...and other courses in this area as approved by the Dean	* grade ≥ "C"	
Digital Forensics	Required	PREQ*	
Students will learn the digital forensics process of acquisition, analysis, and reporting. Learners will carry out the procedures of identification, collection, preservation, examination, analysis, and reporting of evidence for civil and criminal cases. Students will learn about the tools and processes to handle digital evidence. Digital forensics includes using scientific methods and providing extensive documentation to ensure the preservation and integrity of the investigation.	ITEC 4321 Forensics/Data Recovery	2320	
	ITEC 4341 Incident Response and Contingency Planning	4200	
	Select 3 from the following courses		
	ITEC 4501 Special Projects or ITEC 4710 Internship	Instructor Approval	
	ITEC 3328 Linux Systems Administration	2320	
	ITEC 4370 Virtual Computing	2320	
	ITEC 4322 Advanced Digital Forensics	4321	
	...and other courses in this area as approved by the Dean	* grade ≥ "C"	