

MIDDLE GEORGIA STATE COLLEGE
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Audit Worksheet 2013-2014 Catalog (expires Summer 2019)

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 hours)		
<u>Credit hours cannot be used for graduation.</u>		
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, 2141, 2142		
Area C Elective		
COMM 1110		

Area D – Nat Science, Math, and Tech		11-12 HOURS
<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. & 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, 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 Concentrations		15 HOURS	

IT Courses, Concentration or Informatics		15 HOURS	

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

Note: Transfer students with an associate's or bachelor's degree that satisfy Middle Georgia State College'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.

Minimum 120 Semester Hours Required to Graduate

IT Concentrations: 15 Hours

Network Technologies & Administration	Select Five From the Following Courses	PREQ*	
<p>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.</p>	I TEC 3325 Windows System Administration	2320	
	I TEC 3328 Linux Systems Administration	2320	
	I TEC 4242 Database Administration	3245	
	I TEC 4285 Web Server Administration	2320,2380	
	I TEC 4321 Forensics/Data Recovery	2320	
	I TEC 4324 Wireless Technologies	2320	
	CSCI 4329 Data Communications	2320	
	I TEC 4421 Network Security	2320	
	<i>...and other courses in this area as approved by the Dean</i>	<i>* grade ≥ "C"</i>	
Information Assurance and Security	Select Five From the Following Courses	PREQ*	
<p>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.</p>	I TEC 4285 Web Server Administration	2320,2380	
	I TEC 4321 Forensics/Data Recovery	2320	
	I TEC 4341 Incident Response and Contingency Planning	4200	
	I TEC 4361 Software and Database Security	3245 & 4200 and either I TEC 2270 or CSCI 1302	
	I TEC 4421 Network Security	2320	
	<i>...and other courses in this area as approved by the Dean</i>	<i>* grade ≥ "C"</i>	
Integrated Digital Media	Required	PREQ*	
<p>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.</p>	I TEC 4230 Graphic Imaging	3236	
	I TEC 4238 2D Computer Animation	3236	
	I TEC 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	
	I TEC 4231 Designing Content for Instructional Apps	3235, 3236	
	CSCI 4250 Artificial Intelligence	2270, 3236	
<i>...and other courses in this area as approved by the Dean</i>	<i>* grade ≥ "C"</i>		
Software Development	Required	PREQ*	
<p>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.</p>	CSCI 3264 Data Structures & Algorithm Analysis	I TEC 2270 or CSCI 1302	
	Select Four From the Following Courses		
	I TEC 4244 Database Programming	2270,3245	
	I TEC 4248 Web Development Environments	3280	
	I TEC 4261 Java Programming	I TEC 2270 or CSCI 1302	
	I TEC 4266 C++ Programming	I TEC 2270 or CSCI 1302	
	I TEC 4269 Visual Basic for Client/Server Systems	3245 and either I TEC 2270 or CSCI 1302	
	I TEC 4286 Web Applications Development	3280	
	I TEC 4361 Software and Database Security	3245 & 4200 and either I TEC 2270 or CSCI 1302	
	<i>...and other courses in this area as approved by the Dean</i>	<i>* grade ≥ "C"</i>	
Gaming Design and Development	Select Five From the Following Courses	PREQ*	
<p>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.</p>	CSCI 3264 Data Structures and Algorithm Analysis	I TEC 2270 or CSCI 1302	
	I TEC 4230 Graphic Imaging	3236	
	I TEC 4238 2D Computer Animation	3236	
	CSCI 4250 Artificial Intelligence	2270,3236	
	I TEC 4255 Game Design and Development	3235,4230,4238, and CSCI 4250	
	<i>...and other courses in this area as approved by the Dean</i>	<i>* grade ≥ "C"</i>	