MACON STATE COLLEGE
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
Audit Worksheet 2012-2013 Catalog (expires Summer 2018)

Name: ID#:   Advisor:

GENERAL EDUCATION REQUIREMENTS

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

AREA B – Institutional Options	4-6 HOURS	
*MSCC 1000		
Area B Elective (ITEC 1001 recommended)		
*All first time, full time enrolled students will take MSCC 1001 (3hrs) instead of MSCC 1000 and PE.		

AREA C – Humanities/Fine Arts	6 HOURS	
Literature-based Elective Choose one (circle): ENGL 2111, 2112, 2121, 2122, 2131, 2131H, 2132, 2132H, 2141, 2142, FREN 2001, 2002, SPAN 2001, 2002		
Area C Elective COMM 1110		

AREA D – Nat Science, Math, and Tech	11 HOURS	
Area D Elective Choose one (circle) MATH 1200, 1251, 2252, 2253, 2260, 2270		
Lab-Science Electives Choose two (circle): ASTR 1010K, 1020K, BIOL 1001K, 1001K-H, 1002K, 1002K-H, 2107K, 2108K,* CHEM 1151K, 1152K, 1211K, 1212K, PHSC 1011K, PHYS 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		
*** *Choose one* HIST 1111, 1112 POLS 2301, 2401		
Area E Elective Choose one (circle): ANTH 1102, ECON 2105, 2105H, 2106, 2106H, HIST 1111, 1112, 2111, 2111H, 2112, 2112H, **POLS 2301, 2401, 2501 (Verify with VPAA)** PSYC 1101, 1101H, SOCI 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

Note: Transfer students with an associate's or bachelor's degree that satisfy Macon 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.

AREA F   18 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		
MATH 1220 Discrete Mathematics		

PHYSICAL EDUCATION	0-2 HOURS	
HLTH/PHED		
PHED		

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

Minimum 122 Semester Hours Required to Graduate

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 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 4285 Web Server Administration	2320,2380
	ITEC 4321 Forensics/Data Recovery	2320
	ITEC 4341 Incident Response and Contingency Planning	4200
	ITEC 4361 Software and Database Security	2270,3245,4200
	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 3600 Digital Storytelling	ENGL 1102
	ITEC 4231 Designing Content for Instructional Applications	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	2270
	Select Four From the Following Courses	
	ITEC 4244 Database Programming	2270,3245
	ITEC 4248 Web Development Environments	3280
	ITEC 4261 Introduction to Java Programming	2270
	ITEC 4266 C/C++ Programming	2270
	ITEC 4269 Visual Basic for Client/Server Systems	2270,3245
	ITEC 4286 Web Applications Development	3280
	ITEC 4361 Software and Database Security	2270,3245,4200
	...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	2270
	ITEC 4230 Graphic Imaging	3236
	ITEC 4238 2D Computer Animation	3236
	ITEC 4250 Introduction to Artificial Intelligence for Gaming	2270,3236
	ITEC 4255 Game Design and Development	3235,4230,4238, 4250
	...and other courses in this area as approved by the Dean	** grade ≥ "C"*