INFORMATION ASSURANCE (IAM)

Information Assurance provides the measures that protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality, and non-repudiation. These measures include providing for restoration of information systems by incorporating protection, detection, and reaction capabilities.

Career paths for those with an Information Assurance degree include; Management Information Security, Information Security Policy, Security Program Development, and Risk Management.

Bachelor of Science – Information Assurance

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED

Program components for the Bachelor of Science degree with a major in Information Assurance:

Applicable General University Requirements
Students earning the Bachelor of Science (BS) degree with a major in Information Assurance must satisfy all general University requirements and meet all financial obligations before a degree is awarded**.**

General Education Requirements

Area	Discipline/Course	Hours
I	**Written Composition**	**6**
II	**Humanities / Fine Arts (12 hours total)**	**12**
III	**Natural Sciences & Mathematics (11 hours total)**	
	Finite Math or the equivalent	3
	Natural Sciences (lab-based)	8
IV	**History/ Behavioral and Social Sciences (12 hours total)**	
	Macroeconomics (ECO 231)	3
	Microeconomics (ECO 232)	3
	Other courses in history or behavioral/social science	6
	Students are encouraged to take at least one history course and one behavioral science course.	
	Total General Education Requirement Hours:	**41**

Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	Microcomputer Applications (CIS 146)	3
	Principles of Accounting I and II (BUS 241 and BUS 242 **or** BUS 210 and BUS 248)	6
	Business Statistics I (BUS 271)	3
	Business Statistics II (BUS 272)	3
	Legal and Social Environment of Business (BUS 263)	3
	Elective	3
	Total Major Prerequisite Requirement Hours:	**21**
	Total General Education and Major Prerequisite Requirement Hours	**62**

Professional Course Requirements

(Courses are listed in the order they should be taken. Take minor courses as offered. Electives and minor courses may be taken during any semester.)

All business majors must take a "pretest" in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed an equivalent course at a junior college, the test will be given in GBA 300 Business Research Skills [see below and "Assessment" in the College of Business General Information section].

	Core Courses	Hours
	MG 320 Organizational Communication (MUST be taken 1st semester) Students who do not complete MG 320 Organizational Communication at Athens State are required to take GBA 300 Business Research Skills, a 1 hour course designed to familiarize students with business information sources and library research skills.	**3**
	MG 302 Management Information Systems (*should be taken in 1st semester*)	**3**
	MG 346 Principles of Management & Leadership (*should be taken in 1st semester*)	**3**
	MK 331 Marketing Principles	**3**
	IAM 409 Management of Information Assurance	**3**
	MG 350 Financial Management	**3**
	MG 390 Operations Management	**3**
	IAM 410 Information Assurance Administration and Operations Management	**3**
	IAM 411 Information Assurance Strategic Management	**3**
	IAM 412 Management of Business Contingency and Resilience Planning	**3**
	IAM 413 Information Assurance Systems and Product Acquisition	**3**
	MG 352 International Business **or** EC 320 International Economics and Trade	**3**
	IAM 414 Information Assurance Government (*CAPSTONE*)	**3**
	MG 420 Business Policy (*Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester*.)	**3**
	MG 480 Seminar in Business (*Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester*.)	**2**
	Total Core Requirement Hours:	**44**

Minor (Required)

	Course	Hours
	Required courses for minor (see Minors section later in this catalog) **Minor options:** Enterprise Systems Management Information Systems Management Computer Science Computer Information Systems Computer Networking	**18**
	Total Professional Requirement Hours:	**62**

		Hours
	Total Minimum Hours Required for Completion of Information Assurance Major	**124**

New Courses in Information Assurance Management (IAM)

IAM 412   **Management of Business Contingency and Resilience Planning (3 Sem. Hrs.)**
This course prepares students to plan and execute industry best practices related to managing organization-wide business contingency and resilience programs and to prepare an organization for implementing comprehensive business continuity, incident handling, and disaster recovery plans.

IAM 413   **Information Assurance Systems and Product Acquisition (3 Sem. Hrs.)**
Acquisition strategy can be seen as a high level framework that guides program execution across the entire program life cycle. Acquisition strategies typically look for innovative ways to reduce costs. One such way is to consider the security implications of a particular process or automated resource prior to introducing it into the organization. This course explores the security controls established by the National Institute of Standards and Technology (NIST) and evaluates methods for integrating the controls into the acquisition process.

IAM 414   **Information Assurance Governance (CAPSTONE) (3 Sem. Hrs.)**
This course gives students a detailed understanding of the broad requirements for effective information security governance, the elements and actions required to develop an information security strategy and a plan of action to implement it.