



**Department of Applied Information Technology
Bachelor of Science, Information Technology: 2013-2014 Catalog**

GENERAL EDUCATION REQUIREMENTS

	Department & Course #	Completed	Needed
Fine Arts (3)	_____	_____	_____
Global Understanding (3)	_____	_____	_____
Literature (3)	_____	_____	_____
Social and Behavioral Science (3)	_____	_____	_____
Western Civilization: HIST 100 (3)	_____	_____	_____
Written Communication: ENGH 100 or ENGH 101 (3)	_____	_____	_____
ENGL 302- Business or Natural Sciences/Technology (3)	_____	_____	_____

Natural Science: (satisfied by completion of major requirements)
 Information Technology: (satisfied by completion of major requirements)
 Synthesis: (satisfied by completion of major requirements)

Oral Communication: (satisfied by completion of major requirements)
 Quantitative Reasoning: (satisfied by completion of major requirements)

Note: Information on general education requirements can be found at <http://www.gmu.edu/departments/provost/gened/GENEDapprovedcourses.htm>

Foundation Courses

IT 101 Introduction to Information Technology (3)	_____	_____	_____
IT 103 Introduction to Computing (3)	_____	_____	_____
IT 106 Introduction to IT Problem Solving Using Computer Programming (3)	_____	_____	_____
IT 206 Object Oriented Techniques for IT Problem Solving (3)	_____	_____	_____
IT 212 Computer Hardware Fundamentals (3)	_____	_____	_____
STAT 250 Introductory Statistics I (3)	_____	_____	_____

Core Courses

IT 207 Applied IT Programming (3)	_____	_____	_____
IT 213 Multimedia and Web Design (3)	_____	_____	_____
IT 214 Database Fundamentals (3)	_____	_____	_____
IT 223 Information Security Fundamentals (3)	_____	_____	_____
IT 300 Modern Telecommunications (3)	_____	_____	_____
IT 304 IT in the Global Economy	_____	_____	_____
IT 341 Data Communications and Networking Principles (3)	_____	_____	_____
IT 343 IT Project Management	_____	_____	_____
MSOM 300 Managing Financial Resources (3)	_____	_____	_____
MSOM 301 Managing People and Organizations (3)	_____	_____	_____
SYST 469 Human Computer Interaction (3)	_____	_____	_____

Capstone Courses

IT 492 Senior Design Project I (3)	_____	_____	_____
IT 493 Senior Design Project II (4)	_____	_____	_____

Other Required Courses

IT 293 Applied IT: Junior Transition (1)	_____	_____	_____
COMM 100 Public Speaking (3)	_____	_____	_____
Natural Science with Lab (4)	_____	_____	_____
Natural Science without Lab (3)	_____	_____	_____
MATH 108 Introductory Calculus with Business Applications (3)	_____	_____	_____
MATH 112 Discrete Mathematics for IT (3)	_____	_____	_____

Concentration Area (15) see <http://ait.gmu.edu/> for details

Choose from either: **Information Security, Networking and Telecommunications, Web Development and Multimedia, Database Technology and Programming, or Healthcare IT.**

1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

ELECTIVES (9)

Minimum hours to graduate: 120

Student's Name: _____ Date: _____

UPPER DIVISION HOURS (minimum 45) _____

Advisor's Name: _____

(Courses numbered 300-400 only. Courses designated "L" do not count.)