



Department of Applied Information Technology
 The Volgenau School of Information Technology and Engineering
Bachelor of Science, Information Technology: 2005-2006 Catalog

<u>GENERAL EDUCATION REQUIREMENTS</u>	Department & Course #	Completed	Needed
Fine Arts (3)	_____	_____	_____
Global Understanding (3)	_____	_____	_____
Literature (3)	_____	_____	_____
Social and Behavioral Science (3)	_____	_____	_____
Western Civilization: HIST 100 (3)	_____	_____	_____
US History: HIST 120 (3)	_____	_____	_____
Written Communication: ENGL 100 or ENGL 101 (3)	_____	_____	_____
ENGL 302 (3)	_____	_____	_____
Natural Science: (satisfied by completion of major requirements)			
Oral Communication: (satisfied by completion of major requirements)			
Information Technology: (satisfied by completion of major requirements)			
Quantitative Reasoning: (satisfied by completion of major requirements)			
Synthesis (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>
 Transfer students may substitute approved courses for HIST 100. See the list at:
http://cas.gmu.edu/undergraduate_students/general_education/requirements/university_requirements.html*

MAJOR REQUIREMENTS

IT 101 Introduction to Information Technology (3)	_____	_____	_____
IT 103 Introduction to Computing (3)	_____	_____	_____
IT 108 Programming Fundamentals (3)	_____	_____	_____
MATH 108 Introduction to Calculus (3)	_____	_____	_____
MATH 112 Discrete Math for BSIT (3)	_____	_____	_____
COMM 100 Public Speaking (3)	_____	_____	_____
Natural Science Lab Sequence 1 (4)	_____	_____	_____
Lab Sequence 2 (4)	_____	_____	_____
Natural Science (non-lab) (3) (or Natural Science with Lab (4))	_____	_____	_____
MATH 111 Linear Mathematical Modeling (3)	_____	_____	_____
IT 212 How Computers Work (3)	_____	_____	_____
IT 213 Multimedia and Computer Graphics (3)	_____	_____	_____
IT 214 Database Fundamentals (3)	_____	_____	_____
IT 223 Information Security Fundamentals (3) (formerly IT 221)	_____	_____	_____
IT 250 Introductory Statistics I (3)	_____	_____	_____
IT 300 Modern Telecommunications (3)	_____	_____	_____
IT 341 Networking Essentials (3)	_____	_____	_____
IT 304 IT in the Global Economy (3) or CS 306 and prereq. CS 105	_____	_____	_____
MSOM 302 Managing Information (3)	_____	_____	_____
MSOM 303 Marketing in a Global Economy (3)	_____	_____	_____
IT 343 IT Resource Planning (3) (formerly IT 443)	_____	_____	_____
SYST 469 Human Computer Interaction (3)	_____	_____	_____
IT 492 Senior Design Project 1 (3)	_____	_____	_____
IT 493 Senior Design Project 2 (4) or IT 468 (4)	_____	_____	_____

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

Choose from either **Information Security and Network Administration, Database Management and Programming,** or **Web Development and Computer**

Graphics

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

ELECTIVES (6)

- Minimum hours to graduate: 120
- UPPER DIVISION HOURS** (minimum 45) _____
 300 & 400 level courses (Courses designated "L" do not count.)

Student's Name: _____ **Date:** _____
Advisor's Name: _____