

Bachelor of Science, Information Technology

Advising Sheet: 2019-2020 Catalog

Name: _____

G#: _____ Date: _____

Advisor Seen: _____

MASON CORE (catalog.gmu.edu/mason-core)			
COURSE	SEMESTER	GRADE	COMPLETED?
Arts (3):			
Global Understanding (3):			
Literature (3):			
Social and Behavioral Science (3):			
Western Civilization/World History (3):			
ENGH 100 or ENGH 101 (3):			
ENGH 302 (3) <i>Business, Natural Sciences/Tech, or Multidisciplinary</i>			

*The following Mason Core requirements are satisfied by completion of major requirements: Natural Science, Oral Communication, Information Technology, Quantitative Reasoning, and Synthesis

MAJOR FOUNDATION			
COURSE	SEMESTER	GRADE	COMPLETED?
IT 102 (3) <i>Discrete Structures</i> or MATH 125 (3) <i>Discrete Mathematics I</i>			
IT 104 (3) <i>Introduction to Computing</i>			
IT 105 (3) <i>IT Architecture Fundamentals</i>			
IT 106 (3) <i>Intro to IT Problem Solving Using Computer Programming</i> OR IT 109 (3) <i>Introduction to Computer Programming</i>			
IT 206 (3) <i>Object Oriented Techniques for IT Problem Solving</i> (Requires B or better to declare DTP) OR IT 209 (3) <i>Introduction to Object Oriented Programming</i> (Requires B or better to declare DTP)			
IT 216 (3) <i>Systems Analysis and Design</i>			
STAT 250 (3) <i>Introductory Statistics I</i>			

MAJOR CORE			
IT 207 (3) <i>Applied IT Programming</i>			
IT 213 (3) <i>Multimedia and Web Design</i> (Requires B or better to declare Web Development)			
IT 214 (3) <i>Database Fundamentals</i> (Requires B or better to declare DTP/HIT)			
IT 223 (3) <i>Information Security Fundamentals</i> (Requires B or better to declare Cyber Sec)			
IT 300 (3) <i>Modern Telecommunications</i>			
IT 304 (3) <i>IT in the Global Economy</i>			
IT 341 (3) <i>Data Communications and Network Principles</i> (Requires B or better to declare NTEL)			
IT 342 (3) <i>Operating Systems Fundamentals</i>			
IT 343 (3) <i>IT Project Management</i>			
MBUS 300 (3) <i>Accounting in a Global Economy</i>			
SYST 469 (3) <i>Human Computer Interaction</i>			

MAJOR CAPSTONE (Two-semester sequence—cannot be taken concurrently)			
IT 492 (3) <i>Senior Design Project I</i>			
IT 493 (4) <i>Senior Design Project II</i>			
MAJOR CONCENTRATION IN _____			
<i>Choose 1-2 from Database Technology & Programming, Health Information Technology, Cyber Security, Networking and Telecommunications, or Web Development. To be eligible to choose a concentration, a student must have a B or better grade in the concentration's gateway course(s).</i>			
Chosen concentration (3):			
Chosen concentration (3):			
Chosen concentration (3):			
Chosen concentration (3):			
Any concentration (3):			

OTHER REQUIRED COURSES			
COURSE	SEMESTER	GRADE	COMPLETED?
IT 293 (1) <i>Junior Transition</i>			
COMM 100 <i>Public Speaking</i> or 101 (3) <i>Fundamentals of Communication</i> :			
Mason Core Natural Science with Lab (4):			
Mason Core Natural Science without Lab (3):			
MATH 108 (3) <i>Intro Calc with Business Applications</i> or MATH 113 (4) <i>Analytic Geometry and Calc I</i> :			

GENERAL ELECTIVES (8-9 credits)			
COURSE	SEMESTER	GRADE	COMPLETED?

NOTES: Students need a minimum of 120 credit hours to graduate. 45 of these credits must be at the 300/400 level.

Students must have a C or better in any course that satisfies a prerequisite for an IT course, as well as a C or better in their foundation, core, capstone, and concentration courses. Furthermore, students must have a B or better in gateway courses for the respective concentration. To graduate, students need a minimum IT foundation, core, capstone, and concentration GPA of 2.75. At most, 3 credits of 100-level RECR coursework may be taken to satisfy the degree requirements.

Department of Information Sciences and Technology
ist.gmu.edu



Major Declaration: ist.gmu.edu/go/declarebsinf
Bridge Courses: ist.gmu.edu/go/bridge
CLEP IT: ist.gmu.edu/go/clep
Accelerated MS: ist.gmu.edu/go/applyaccelerated

If a student wishes to declare two concentrations, they must earn a B or better in the gateway courses associated with those concentrations. They would then take four courses (12 credits) from each declared concentration with no overlap for a total of 8 courses (24 credits).