

Bachelor of Science, Information Technology

Advising Sheet: 2020-2021 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> | | | |

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|---|--|--|--|
| 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 _____ | | | |
|---|--|--|--|
| Choose 1-2 from Database Technology & Programming, Health Information Technology, Cloud Computing, Cyber Security, Networking and Telecommunications, or Web Application Development. To be eligible to choose a concentration, a student must have transfer credit for, or a B or higher in the concentration's gateway course(s). | | | |
| Chosen concentration (3): | | | |
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| Chosen concentration (3): | | | |
| Chosen concentration (3): | | | |
| Any concentration (3): | | | |

| SUPPORTING COURSEWORK FOR INFORMATION TECHNOLOGY | | | |
|---|----------|-------|------------|
| 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? |
| | | | |
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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



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).