# Requirements for the Degree of Bachelor of Science in Information Technology

## School of Information Technology

### General Requirements

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Minimum Total Hours</th>
<th>Minimum Overall Grade Point Average</th>
<th>Minimum Overall Grade Point Average in Major</th>
<th>Minimum Overall Grade Point Average in Upper Division Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017 - 2018</td>
<td>120</td>
<td>2.00</td>
<td>2.00</td>
<td>2.00</td>
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</table>

### Bachelor of Science in Information Technology

**Concentration:** Web Applications Development

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**Please Note:**

While substantial effort will be made to insure accuracy of the material stated herein, Middle Georgia State University reserves the right to change any provision listed in this program of study, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students apprised of such changes. If these degree requirements diverge from or conflict with University System of Georgia Board of Regents (BoR) policy, BoR policy will always take precedence.

1. Students may choose to complete zero, one, or two concentrations.
2. Essential Skills courses must be completed in the first 30 hours of coursework.
3. Students may choose to complete this degree FULLY ONLINE, on campus, or a mix. The core can be completed through online courses through MGA and Ecore.
4. MGA encourages all students to take between 30-33 hours per year to graduate on time.
5. All students must take a Global Overlay course. These are courses marked by an Asterisk (*).
6. Courses marked with a double Asterisk (**) are the preferred courses.
7. The Bachelor of Science in Information Technology admission requires any transfer student to have at least a 2.0 GPA.
8. Students must not have any Learning Support (LS) requirements to be eligible for admission to the program.
9. Before taking CLEP or DSST consult with your advisor prior to the exam to make sure it will fit in the degree program.

Additional directives: [http://www.mga.edu/testing-services/](http://www.mga.edu/testing-services/)

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### Core Curriculum Requirements - 60 hours

#### AREA A: Essential Skills

- ENGL 1101 - English Composition I
- ENGL 1102 - English Composition II
- MATH 1111 - College Algebra or MATH 1113 Pre-Calculus or MATH 1251 Calculus

#### AREA B: Institutional Options

- Perspectives Elective (ITEC 1001 Recommended)

#### AREA C: Humanities Electives

- Literature Elective
  - COMM 1110

#### AREA D: Science, Math Technology

- Lab Science Elective I
- Lab Science Elective II
  - MATH 1200, 1401, 1251, 2252, 2253, 2260, or 2270

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### Upper Division Requirements - 60 hours

**Courses taken in sequential order**

#### IT Upper Level Core – 21 hours

- ITEC 3155 Systems Analysis & Design
- ITEC 3235 Human Computer Interaction
- ITEC 3245 Database Principles
- ITEC 3300 Project Management
- ITEC 4200 Foundations of Info Assurance
- ITEC 4205 Legal and Ethical Issues in IT
- ITEC 4750 Senior Capstone

#### Software Engineering Concentration – 24 hours

- ITEC 3264 Data Structures and Algorithm Analysis
- ITEC 3280 Web Programming
- ITEC 4244 Database Programming
- ITEC 4261 Java Programming
- ITEC 4269 Client/Server Systems Programming
- ITEC 4286 Web Applications Development
- ITEC 4361 Software Security
- ITEC 4366 Advanced Web Development

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| AREA E: Social Sciences | HIST 2111 or 2112 - US History to/from 1865  
POLS 1101 - American Government  
Area E Elective - ANTH 1102, ECON 2105, ECON 2106, PSYC 1101, SOCI 1101, or SOCI 1160  
Area E Elective: Choose from ENGL 2111, ENGL 2112, HIST 1111, HIST 1112, HIST 1190, POLS 2301 OR POLS 2402 | ITEC Electives –15 hours  
Upper-level ITEC courses in the program;  
Informatics courses deemed appropriate for providing students with a strong foundation in IT as well as a deeper understanding or another discipline; or  
Approved transfer course |
| --- | --- | --- |
| AREA F: Major Field | ITEC 2215  Intro to IT  
ITEC 2260  Intro to Programming  
ITEC 2270  Application Development  
ITEC 2320  Networking Essentials  
ITEC 2380  Web Development  
MATH 2120, 1251, 2252, 2253, 2260, or 2270 |  |
| 18 hours |  |

**NOTES:**