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For students entering the degree program during the 2021-2022 curricular year.

BS in Information Technology (396526) MAP Sheet

### University Core and Graduation Requirements

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<thead>
<tr>
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<th>Hours</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>University Core Requirements:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion Cornerstones</td>
<td>1</td>
<td>2.0</td>
<td>REL A 275</td>
</tr>
<tr>
<td>Teachings and Doctrine of The Book of Mormon</td>
<td>1</td>
<td>2.0</td>
<td>REL A 250</td>
</tr>
<tr>
<td>Jesus Christ and the Everlasting Gospel</td>
<td>1</td>
<td>2.0</td>
<td>REL C 225</td>
</tr>
<tr>
<td>Foundations of the Restoration</td>
<td>1</td>
<td>2.0</td>
<td>REL C 200</td>
</tr>
<tr>
<td>The Eternal Family</td>
<td>1</td>
<td>2.0</td>
<td>REL B 100</td>
</tr>
<tr>
<td><strong>Civilization and Society</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Heritage</td>
<td>1-2</td>
<td>3-6.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Global and Cultural Awareness</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td><strong>Skills</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>First Year Writing</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Advanced Written and Oral Communications</td>
<td>1</td>
<td>3.0</td>
<td>WRTG 316*</td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td>1</td>
<td>4.0</td>
<td>MATH 112* or ACT</td>
</tr>
<tr>
<td>Languages of Learning (Math or Language)</td>
<td>1</td>
<td>4.0</td>
<td>MATH 112*</td>
</tr>
<tr>
<td><strong>Arts, Letters, and Sciences</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civilization 1</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Civilization 2</td>
<td>1</td>
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</tr>
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<td>1</td>
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<tr>
<td>Letters</td>
<td>1</td>
<td>3.0</td>
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</tr>
<tr>
<td>Biological Science</td>
<td>1</td>
<td>4.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Physical Science</td>
<td>1</td>
<td>4.0</td>
<td>IT&amp;C 327** recommended</td>
</tr>
<tr>
<td>Social Science</td>
<td>1</td>
<td>3.0</td>
<td>ECON 110* or PSYCH 111*</td>
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<td></td>
<td></td>
<td></td>
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<td>Religion Electives</td>
<td>3-4</td>
<td>4.0</td>
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</tr>
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<td>Open Electives</td>
<td>3-4</td>
<td>11.0</td>
<td>personal choice</td>
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**For university core questions and program questions see School of Technology Advisor in 250 SNLB.**

Please see the advisor in the School of Technology, SNLB 250, for list of approved tech electives.

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**These classes fill both University Core and IT Tech Elective requirements. However, IT&C 327 is not required for IT students.**

Students are encouraged to complete an average of 15 credit hours each semester or 30 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to...

### University Core and Graduation Requirements

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BS in Information Technology (396526)
2021-2022 Program Requirements (77 Credit Hours)

REQUIREMENT 1: Complete 8 courses
- CS 142 - Introduction to Computer Programming 3.0
- CS 235 - Data Structures and Algorithms 3.0
- CS 236 - Discrete Structures 3.0
- "MATH 112 - Calculus I 4.0"
- PHSCS 221 - Introduction to Newtonian Mechanics 3.0
- STAT 201 - Statistics for Engineers and Scientists 3.0
- TECH 112 - Exploration in Innovation Design Techniques 1.0
- "WRGT 116 - Technical Communication 3.0"

REQUIREMENT 2: Complete 1 course
- IT&C 231 - Ethics, Globalization, & Leadership 3.0

REQUIREMENT 3: Complete 1 course
- ECON 110 - Economic Principles and Problems 3.0
- PSYCH 111 - Introduction to Psychological Science 3.0

REQUIREMENT 4: Complete 13 courses
NOTE: IT&C 210B AND 252 MUST BE COMPLETED WITH A C OR HIGHER GRADE

REQUIREMENT 5: Complete 12.0 hours from the following course(s)
- IT&C 124 - Introduction to Computer Systems 3.0
- IT&C 208B - Fundamentals of Web-Based Information Technology 2.0
- IT&C 210A - Fundamentals of Web-Based Information Technology 2.0
- IT&C 291R - Seminar 3.0
- IT&C 344 - Operating Systems 3.0
- IT&C 347 - Computer Networks 3.0
- IT&C 350 - Database Principles and Applications 3.0
- IT&C 356 - Information Assurance and Security 3.0
- IT&C 447 - Database Administration 3.0
- IT&C 492R - Special Problems in Information Technology & Cybersecurity 3.0
- IT&C 515R - Special Topics in Information Technology & Cybersecurity 3.0
- IT&C 529 - Advanced Networking 3.0
- IT&C 544 - System Administration 3.0
- IT&C 548 - Cyber-Physical Systems 3.0
- IT&C 555 - Advanced Human-Computer Interaction 3.0
- IT&C 566 - Digital Forensics 3.0
- IT&C 567 - Cybersecurity and Penetration Testing 3.0

REQUIREMENT 7: Students must complete 200 hours of pre-approved information technology-related work after declaring the major and must submit a signed letter from an employer during the IT&C 447 course.

REQUIREMENT 8: Complete department packet and exit interview.

THE DISCIPLINE:

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Because of the influence and leadership roles we expect graduates to have, our students will be encouraged to develop high moral and ethical standards as well as being conversant with and compliant with professional performance standards.

CAREER OPPORTUNITIES:

Career opportunities are plentiful and rewarding in both large and small companies in technical fields. Graduates will find careers in computer networking, testing, embedded intelligence, digital communications, computer system development, and integration.

MAP DISCLAIMER

While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

DEPARTMENT INFORMATION

Information Technology & Cybersecurity
School of Technology
265 Crabtree Building
Brigham Young University Provo, UT 84602
Telephone: 801-422-6300

ADVISEMENT CENTER INFORMATION

Samuel Cardenas, Academic Advisor, School of Technology
250 Snell Building
Brigham Young University Provo, UT 84602
Telephone: 801-422-1818
sot_advisement@byu.edu