Information Technology 2020-2021

FRESHMAN

Fall
Tech 112
1 (F, W, Sp)

Winter
CS 142
Intro to Programming
3

SOPHOMORE

Fall
IT&C 291R
.5 (F, W)

Winter
IT&C 255
User Experience Design
3 (F, W)

JUNIOR

Fall
IT&C 252
Computer Architecture
3 (F, W)

Winter
IT&C 344
Operating Systems
3 (F)

SENIOR

Fall
Econ 110 or Psych 111
3

Winter
IT&C 231
Ethics, Global, & Leadership
3 (F)

Total Credit Hours: 120

*Please note* This flowchart is not a contract. For your contract information please see the catalog.

Major Code: 396527

G.E. Classes

Major Classes

Major and G.E. Classes

Required Prerequisite Concurrent Enrollment at BYU with Instructor Permission

Students must earn a grade of C or higher in IT&C 210B and IT&C 252 to enroll in IT&C 344 and IT&C 347

Fulfills a CS minor with the addition of CS 240 (4) and two additional CS courses.
### IT Technical Electives

- IT&C 327 Digital Communications
- IT&C 410 Advanced Web Technologies
- IT&C 441 Embedded Computer Systems
- IT&C 450 Database Administration
- IT&C 492R Special Problems in IT&C
- IT&C 515R Special Topics in IT&C
- IT&C 529 Advanced Networking
- IT&C 544 System Administration
- IT&C 548 Cyber-Physical Systems
- IT&C 555 Advanced Human-Computer Interaction
- IT&C 566 Digital Forensics
- IT&C 567 Cyber Security & Penetration Testing

Other courses may be approved by petition. The course must meet certain requirements to be eligible for consideration as an IT technical elective.

The course must:
- teach at least 70% new material from courses taught by the IT&C program
- and have 70% of the content related to:
  - the tasks, knowledge, skills, or abilities defined as Essential or Supplemental in the current IT Model Curriculum (presently the 2017 version, p. 50, 51).
- be 300 or higher level class

### 200 Hours of Work Experience

IT&C 447 includes the requirement of 200 hours of approved IT&C work experience (any paid experience involving any of the IT&C domains of computing, which include networking, human-computer interaction, databases, web systems, programming, cybersecurity, and computer application domains).

[sot.byu.edu/it-c-work-experience](sot.byu.edu/it-c-work-experience)

### Common Equivalents

Substitutions do not happen automatically. Please see advisement office.

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<thead>
<tr>
<th>Course 1</th>
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<tbody>
<tr>
<td>IT&amp;C 101</td>
<td>IS 110, 201, &amp; 303 (all 3 courses)</td>
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<tr>
<td>IT&amp;C 124</td>
<td>ECEN 220</td>
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<td>IT&amp;C 252</td>
<td>CS 224</td>
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<tr>
<td>STAT 201</td>
<td>STAT 121, with a grade of B- or higher. AP credit will not substitute.</td>
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