BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: CONCENTRATION IN INFORMATION SYSTEMS ROADMAP – QUANTITATIVE REASONING CATEGORY III/IV AND STRETCH ENGLISH

120 Total Units Required
Minimum Number of Units in the Major: 69

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
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</tr>
<tr>
<td>ENG 104</td>
<td>Writing the First Year: Finding Your Voice Stretch I</td>
<td>3</td>
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<tr>
<td>MATH 107</td>
<td>Mathematics for Business Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>GE Area A</td>
<td></td>
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<tr>
<td>GE Area C</td>
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<tr>
<td>GE Area D: U.S. History (D2)</td>
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<tr>
<td><strong>Units</strong></td>
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<td><strong>15</strong></td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td>ECON 101</td>
<td>Introduction to Microeconomic Analysis (Major Prerequisite, D1)</td>
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<tr>
<td>ENG 105</td>
<td>Writing the First Year: Finding Your Voice Stretch II (A2)</td>
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<tr>
<td>MATH 108</td>
<td>Mathematics for Business Calculus II (B4)</td>
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<tr>
<td>GE Area A</td>
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<tr>
<td>GE Area B: Life Science (B2) and Laboratory Science (B3)</td>
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<td>3-4</td>
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<tr>
<td><strong>Units</strong></td>
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<td><strong>15-16</strong></td>
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<tr>
<td><strong>Third Semester</strong></td>
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<tr>
<td>ACCT 100</td>
<td>Introduction to Financial Accounting (Major Core)</td>
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<tr>
<td>ECON 102</td>
<td>Introduction to Macroeconomic Analysis (Major Core, D1)</td>
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<td><strong>Fourth Semester</strong></td>
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<tr>
<td>ACCT 101</td>
<td>Introduction to Managerial Accounting (Major Core)</td>
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<tr>
<td>Select One (Major Core):</td>
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<tr>
<td>DS 212</td>
<td>Business Statistics I</td>
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<tr>
<td>MATH 124</td>
<td>Elementary Statistics (B4)</td>
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<td>GE Area C - Take Two</td>
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<tr>
<td>GE Area F</td>
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<td><strong>Units</strong></td>
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<tr>
<td><strong>Fifth Semester</strong></td>
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<tr>
<td>BUS 300GW</td>
<td>Business Communication for Professionals - GWAR (Major Core)</td>
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<td>FIN 350</td>
<td>Business Finance (Major Core)</td>
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<tr>
<td>IBUS 330</td>
<td>International Business and Multicultural Relations (Major Core, UD-D, GP)</td>
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<tr>
<td>ISYS 350</td>
<td>Building Business Applications (Major Concentration)</td>
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<tr>
<td>Select One (Major Core):</td>
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<tr>
<td>ACCT 307</td>
<td>Accounting Information Systems</td>
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<tr>
<td>ISYS 363</td>
<td>Information Systems for Management</td>
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<tr>
<td><strong>Units</strong></td>
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<tr>
<td><strong>Sixth Semester</strong></td>
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<tr>
<td>ISYS 463</td>
<td>Information Systems Analysis and Design (Major Concentration)</td>
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<td>ISYS 464</td>
<td>Managing Enterprise Data (Major Concentration)</td>
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<tr>
<td>MGMT 405</td>
<td>Introduction to Management and Organizational Behavior (Major Core)</td>
<td>3</td>
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<tr>
<td>MKTG 431</td>
<td>Principles of Marketing (Major Core)</td>
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</tbody>
</table>
Bachelor of Science in Business Administration: Concentration in Information Systems Roadmap – Quantitative Reasoning Category III/IV and Stretch English

<table>
<thead>
<tr>
<th>GE Area UD-C: Upper-Division Arts and/or Humanities (Consider SF State Studies Course)</th>
<th>Units</th>
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<tbody>
<tr>
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### Seventh Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title And Requirement</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>DS 412</td>
<td>Operations Management (Major Core)</td>
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<tr>
<td>ISYS 565</td>
<td>Managing Enterprise Networks (Major Concentration)</td>
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<tr>
<td>ISYS 663</td>
<td>Information Technology Project Management (Major Concentration)</td>
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<tr>
<td>Major Concentration Elective - Take One</td>
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<tr>
<td>GE Area UD-B: Upper-Division Physical and/or Life Sciences (Consider SF State Studies Course)</td>
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### Eighth Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title And Requirement</th>
<th>Units</th>
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<tbody>
<tr>
<td>BUS 682</td>
<td>Seminar on Business and Society (Major Core)</td>
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<tr>
<td>BUS 690</td>
<td>Seminar in Business Policy and Strategic Management (Major Core)</td>
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</tr>
<tr>
<td>Major Concentration Elective - Take One</td>
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<tr>
<td>U.S. and California Government (<a href="http://bulletin.sfsu.edu/undergraduate-education/american-institutions/#usg">http://bulletin.sfsu.edu/undergraduate-education/american-institutions/#usg</a>)</td>
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<tr>
<td>SF State Studies or University Elective</td>
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</table>

### Total Units

| Total Units | 120-122 |

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1. ENG 114 can only be taken if you complete Directed Self-Placement (DSP) and select ENG 114; if you choose ENG 104/ENG 105 through DSP you will satisfy A2 upon successful completion of ENG 105 in the second semester; multilingual students may be advised into alternative English courses.

2. To determine the best B4 course option, students should complete the online advising activity at mathadvising.sfsu.edu (https://mathadvising.sfsu.edu/). Questions? Contact Gator Smart Start. (https://gatorsmartstart.sfsu.edu/)

3. MATH 107 and MATH 108 will satisfy all requirements met by DS 110 and MATH 110.

4. To avoid taking additional units, it is recommended that you meet the SF State Studies (AERM, GP, ES, SJ) requirements within your GE or major.

5. Given catalog rights, fall 2022 transfer students do not need to complete an Area F course.

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<table>
<thead>
<tr>
<th>Major Concentration Electives (6 units)</th>
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</thead>
<tbody>
<tr>
<td>ISYS 412 Application Development for Data Analytics (3 units)</td>
<td></td>
</tr>
<tr>
<td>ISYS 471 E-Commerce Systems (3 units)</td>
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</tr>
<tr>
<td>ISYS 475 Building Web Applications with Open Source Software (3 units)</td>
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</tr>
<tr>
<td>ISYS 512 Business Application Design and Development with .NET (3 units)</td>
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<tr>
<td>ISYS 556 Building Mobile Business Applications (3 units)</td>
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<tr>
<td>ISYS 557 Managing Open Source (3 units)</td>
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<tr>
<td>ISYS 567 Information Systems Internship (3 units)</td>
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<tr>
<td>ISYS 568 Multimedia Business Applications Development (3 units)</td>
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<tr>
<td>ISYS 569 Information Systems for Business Process Management (3 units)</td>
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<tr>
<td>ISYS 573 New Advances in IT in Organizations (3 units)</td>
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<tr>
<td>ISYS 575 Information Security Management (3 units)</td>
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<tr>
<td>ISYS 650 Business Intelligence (3 units)</td>
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</tbody>
</table>