BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION: CONCENTRATION IN INFORMATION SYSTEMS ROADMAP

120 Total Units Required
Minimum Number of Units in the Major: 60

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 101</td>
<td>Introduction to Microeconomic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GE Area A: Oral Communication (A1) or Critical Thinking (A3)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GE Area A: Written English Communication (A2)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GE Area C: Arts (C1) or Humanities (C2)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GE Area D: U.S. History (D2) or U.S. and California Government (D3)</td>
<td>3</td>
<td></td>
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<tr>
<td><strong>Units</strong></td>
<td></td>
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</table>

| **Second Semester** | | |
| ECON 102 | Introduction to Macroeconomic Analysis | 3 |
| MATH 110 or DS 110 | Business Calculus or Calculus with Business Applications | 3 |
| GE Area A: Oral Communication (A1) or Critical Thinking (A3) | 3 |
| GE Area A: Written English Communication II (A4) or Written English Communication (A2) Stretch II | 3 |
| GE Area C: Arts (C1) | 3 |
| **Units** | | 15 |

| **Third Semester** | | |
| ACCT 100 | Introduction to Financial Accounting | 3 |
| ISYS 263 | Introduction to Information Systems | 3 |
| GE Area B: Physical Science (B1) and Laboratory Science (B3) | 3-4 |
| GE Area C: Humanities: Literature (C3) | 3 |
| GE Area D: U.S. History (D2) or U.S. and California Government (D3) | 3 |
| **Units** | | 15-16 |

| **Fourth Semester** | | |
| ACCT 101 | Introduction to Managerial Accounting | 3 |
| ACCT 307 or ISYS 363 | Accounting Information Systems or Information Systems for Management | 3 |
| Select One: | | |
| DS 212 | Business Statistics I | 3 |
| MATH 124 | Elementary Statistics | 3 |
| ISED 160 | Data Analysis in Education | 3 |
| GE Area A: Written English Communication II (A4) or not already satisfied | 3 |
| or SF State Studies or University Elective | | |
| GE Area B: Physical Science (B1) and Laboratory Science (B3) | 3-4 |
| **Units** | | 15-16 |

| **Fifth Semester** | | |
| BUS 300GW | Business Communication for Professionals - GWAR | 3 |
Bachelor of Science in Business Administration: Concentration in Information Systems Roadmap

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Units</th>
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</thead>
<tbody>
<tr>
<td>FIN 350</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 330</td>
<td>International Business and Multicultural Relations</td>
<td>3</td>
</tr>
<tr>
<td>ISYS 350</td>
<td>Building Business Applications</td>
<td>3</td>
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<tr>
<td>SF State Studies or University Elective</td>
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<tr>
<td>Units</td>
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### Sixth Semester

<table>
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<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>ISYS 463</td>
<td>Information Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>ISYS 464</td>
<td>Managing Enterprise Data</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 405</td>
<td>Introduction to Management and Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 431</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>GE Area UD–C: Upper Division Arts and/or Humanities (Consider SF State Studies Course)</td>
<td>3</td>
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<tr>
<td>Units</td>
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### Seventh Semester

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>DS 412</td>
<td>Operations Management</td>
<td>3</td>
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<tr>
<td>ISYS 565</td>
<td>Managing Enterprise Networks</td>
<td>3</td>
</tr>
<tr>
<td>ISYS 663</td>
<td>Information Technology Project Management</td>
<td>3</td>
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<tr>
<td>Major Concentration Elective – Take One</td>
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</tr>
<tr>
<td>GE Area UD–B: Upper Division Physical and/or Life Sciences (Consider SF State Studies Course)</td>
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<tr>
<td>Units</td>
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### Eighth Semester

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<thead>
<tr>
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<tbody>
<tr>
<td>BUS 682</td>
<td>Seminar on Business and Society</td>
<td>3</td>
</tr>
<tr>
<td>BUS 690</td>
<td>Seminar in Business Policy and Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>Major Concentration Elective – Take One</td>
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<tr>
<td>SF State Studies or University Elective – Take Two</td>
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<tr>
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<tr>
<td>Total Units</td>
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<td>120-122</td>
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</table>

1. To avoid taking additional units, it is recommended that you meet LLD and SF State Studies requirements (AERM, GP, ES, SJ) within your GE.
2. 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.
3. Consider taking a class combined with a laboratory or a separate lab to fulfill B3 if not already satisfied.
4. Major Concentration Electives

- ISYS 471 E-Commerce Systems (3 units)
- ISYS 475 Building Web Applications with Open Source Software (3 units)
- ISYS 512 Business Application Design and Development with .NET (3 units)
- ISYS 556 Building Mobile Business Applications (3 units)
- ISYS 557 Managing Open Source (3 units)
- ISYS 567 Information Systems Internship (3 units)
- ISYS 568 Multimedia Business Applications Development (3 units)
- ISYS 569 Information Systems for Business Process Management (3 units)
- ISYS 575 Information Security Management (3 units)
- ISYS 650 Business Intelligence (3 units)