BUSINESS ADMINISTRATION IN COMPUTER INFORMATION SYSTEMS (BSBA)

This program was approved for students entering the university in the Summer 2021–Spring 2022 catalog year. For more information about catalog year, go to Catalog Year Information (http://catalog.louisville.edu/undergraduate/university-wide-unit-specific-policies/catalog-year/).

Bachelor of Science in Business Administration in Computer Information Systems
Unit: Business (BU) (http://business.louisville.edu/)
Department: Computer Information Systems (http://business.louisville.edu/cis/)
Academic Plan Code(s): See Track Requirements tab.

Program Information
The primary mission of the degree program of the Computer Information Systems Department is to prepare the students to become the information technology professionals of the future for Louisville and the immediate region with curriculum that reflects the state of the art in information technology theory and practice.

Degree Summary

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>General Education Requirements (<a href="http://catalog.louisville.edu/undergraduate/general-education-requirements/">http://catalog.louisville.edu/undergraduate/general-education-requirements/</a>)</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>6 hours of General Education requirements may be satisfied through coursework required by the degree program</td>
<td></td>
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<tr>
<td></td>
<td>College/School Requirements</td>
<td>53</td>
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<tr>
<td></td>
<td>Program/Major Requirements</td>
<td>21</td>
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<tr>
<td></td>
<td>Supporting Courses</td>
<td>6</td>
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<tr>
<td></td>
<td>Track Requirements</td>
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<tr>
<td></td>
<td>Minimum Total Hours</td>
<td>120</td>
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</tbody>
</table>

1 To complete the degree in the minimum number of hours listed, some hours from the General Education Requirements must be satisfied by courses defined by the unit and/or program. Using other courses to satisfy General Education requirements will require additional hours to complete the degree requirements. See the Degree Requirements tab for specific coursework.

2 College/School Requirements total includes 6 hours of required courses that also cover General Education requirements.

3 Program/major requirements include 15 hours in the track.

Specific coursework information can be found on the Degree Requirements tab.

Departmental Admission Requirements
New Students and Transfer Students
Admission to the College of Business (http://catalog.louisville.edu/undergraduate/admission/college-business/) ensures admission to the BSBA in Computer Information Systems.

Current Students - Admission in Good Standing
Students must have both:
1. Earned a 2.8 cumulative GPA (students with an established UofL GPA may not include grades for coursework at another institution in consideration for admission); and
2. Completion of MATH 111 College Algebra - QR (or equivalent) or completion of MATH 180 Elements of Calculus - QR

General Education Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>General Education Requirements (<a href="http://catalog.louisville.edu/undergraduate/general-education-requirements/">http://catalog.louisville.edu/undergraduate/general-education-requirements/</a>)</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>The following courses are required by the program and can satisfy the respective General Education Requirement:</td>
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<tr>
<td></td>
<td>MATH 180 Elements of Calculus - QR</td>
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<tr>
<td></td>
<td>or MATH 205 Calculus I - QR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or ECON 201 Principles of Microeconomics - SB</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or ECON 202 Principles of Macroeconomics - SB</td>
<td></td>
</tr>
</tbody>
</table>

All degrees require the completion of the University-wide General Education Program (link provided above). Some General Education requirements may be met in the requirements for the major or supporting coursework, in which case additional electives may be required to complete the minimum hours for the degree.

College/School Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
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<tr>
<td></td>
<td>PHIL 222 Contemporary Moral Problems - AH</td>
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<tr>
<td></td>
<td>PHIL 225 Business Ethics</td>
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<td>PHIL 321 Ethics</td>
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<td>PHIL 323 Medical Ethics</td>
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<td>BUS 301 Business Communication</td>
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<td>BUS 201 Career Development</td>
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<tr>
<td></td>
<td>ACCT 201 Principles of Financial Accounting &amp; ACCT 202 Principles of Managerial Accounting</td>
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<td>ECON 201 Principles of Microeconomics - SB</td>
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<td>ECON 202 Principles of Macroeconomics - SB</td>
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</table>
BSBA 301  Business Statistics  3
CIS 205  Information Systems in Organizations  3
General Electives  6

Business Breadth
FIN 301  Corporate Finance  3
MKT 301  Principles of Marketing  3
MGMT 301  Management and Organizational Behavior  3
CLAW 301  Legal Environment of Business  3
CIS 305  Data Analysis for Decision-Making  3
MGMT 401  Operations Management  3

Minimum Total Hours  53

Total of 53 includes 3 credit hours of ECON and 3 credit hours of MATH that are also counted in the 31 General Education hours above.

Program/Major Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Computer Information Systems Core</strong></td>
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<tr>
<td>CIS 150</td>
<td>Fundamentals of Information Systems</td>
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<tr>
<td>CIS 199</td>
<td>Software Development I</td>
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<tr>
<td>CIS 310</td>
<td>Database Design</td>
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<tr>
<td>CIS 320</td>
<td>Systems Analysis and Design</td>
<td>3</td>
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<tr>
<td>CIS 350</td>
<td>Infrastructure Technologies</td>
<td>3</td>
</tr>
<tr>
<td>CIS 410</td>
<td>Management of Information Systems - CUE</td>
<td>3</td>
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<tr>
<td>CIS 420</td>
<td>CIS Development Project</td>
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<table>
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<th>Code</th>
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<th>Hours</th>
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<td></td>
<td><strong>Supporting Courses</strong></td>
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<td>General Electives</td>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Track Requirements (See Track Requirements Tab)</strong></td>
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</table>

Transfer students must take a minimum of 12 credit hours in their major within the College of Business.

Six hours of cultural diversity courses are required and may be incorporated within the degree program.

All course prerequisites must be met.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Culminating Undergraduate Experience (Graduation requirement)</strong></td>
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<tr>
<td>CIS 410</td>
<td>Management of Information Systems - CUE</td>
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</table>

1. College/School Requirements include six hours of the General Education (3 hours Quantitative Reasoning and 3 hours Social & Behavioral Sciences). A course that satisfies the General Education Oral Communication requirement (COMM 111, COMM 112 or HON 214) is required as prerequisite for BUS 301, but not included in the program requirements. Students who select PHIL 222 to satisfy the Ethics requirement will also satisfy 3 hours of the Arts & humanities requirement, and may require additional electives to complete the hours required for the degree.

2. If MATH 205 is taken, there will be 4 total hours of math, which may reduce the number of elective hours required to complete the degree.

3. Completes Quantitative Reasoning General Education requirement.

4. Completes 3 hours of Social & Behavioral Sciences General Education requirement.

5. The following will also meet the statistics requirement: MATH 109, PSYC 301, SOC 301, CJ 326

6. Co-operative Education is a curriculum requirement for six (6) months full time employment for six (6) hours of credit. Pass/ Fail credit is given for approved COB co-op work experiences CIS 397 and CIS 398).

Track for the BSBA in Computer Information Systems

**Track in Business Process Management**
Academic Plan Code(s): CIS_BSBBPMP

<table>
<thead>
<tr>
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<th>Hours</th>
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<tr>
<td>CIS 481</td>
<td>Introduction to Information Security</td>
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<tr>
<td>MGMT 404</td>
<td>Project Management</td>
<td>3</td>
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<tr>
<td>CIS Electives (400 level and/or CIS 200)</td>
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</tr>
<tr>
<td>CIS 397 &amp; CIS 398</td>
<td>Co-op in Computer Information Systems I &amp; II</td>
<td>6</td>
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</table>

Minimum Total Hours  15

1. Co-operative Education is a curriculum requirement for six (6) hours of credit. Pass/Fail credit is given for approved COB co-op work experiences (CIS 397).

**Track in Information Security**
Academic Plan Code(s): CIS_BSBSEC

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<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>CIS 480</td>
<td>Introduction to Network Security</td>
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<tr>
<td>CIS 481</td>
<td>Introduction to Information Security</td>
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<tr>
<td>CIS 483</td>
<td>Introduction to Database Security</td>
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<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>CIS 482</td>
<td>Introduction to Cryptography</td>
<td>3</td>
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<tr>
<td>or CIS 484</td>
<td>Computer Forensics</td>
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</tr>
<tr>
<td>CIS 397</td>
<td>Co-op in Computer Information Systems I</td>
<td>3</td>
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</tbody>
</table>

Minimum Total Hours  15

1. Co-operative Education is a curriculum requirement for three (3) hours of credit. Pass/Fail credit is given for approved COB co-op work experiences (CIS 397).

**Track in Web Development**
Academic Plan Code(s): CIS_BSBWEB

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CIS 200</td>
<td>Software Development II</td>
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<tr>
<td>CIS 411</td>
<td>Web Application Development</td>
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<tr>
<td>CIS Elective (400 level)</td>
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</table>

1. Co-operative Education is a curriculum requirement for six (6) months full time employment for six (6) hours of credit. Pass/ Fail credit is given for approved COB co-op work experiences (CIS 397).
**Flight Plan**

**Track in Business Process Management**

**Academic Plan Code(s): CIS_BSBBPM**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<td><strong>Year 1</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>CAMP 100</td>
<td>Campus Culture/Business Students</td>
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<tr>
<td>CIS 205</td>
<td>Information Systems in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 101</td>
<td>Introduction to College Writing - WC</td>
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<tr>
<td>CIS 305</td>
<td>Data Analysis for Decision-Making</td>
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<tr>
<td>General Education: Cardinal Core Natural Sciences - S</td>
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<tr>
<td>General Education: Cardinal Core Natural Sciences Lab - L</td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>CIS 150</td>
<td>Fundamentals of Information Systems</td>
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<tr>
<td>MATH 180</td>
<td>Elements of Calculus - QR</td>
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<tr>
<td>ENGL 102</td>
<td>Intermediate College Writing - WC</td>
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<tr>
<td>ECON 202</td>
<td>Principles of Macroeconomics - SB</td>
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<td>General Education: Cardinal Core Oral Communication</td>
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<tr>
<td><strong>Year 2</strong></td>
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<tr>
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<tr>
<td>BUS 201</td>
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<td>BUS 301</td>
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<td>CIS 199</td>
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<td>ECON 201</td>
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<td>General Education: Cardinal Core Natural Sciences - S</td>
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<td>General Elective</td>
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<td><strong>Spring</strong></td>
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<td>ACCT 201</td>
<td>Principles of Financial Accounting</td>
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<td>CIS 310</td>
<td>Database Design</td>
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<td>CIS 350</td>
<td>Infrastructure Technologies</td>
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<td><strong>Year 3</strong></td>
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<td>ACCT 202</td>
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<td>CIS 320</td>
<td>Systems Analysis and Design</td>
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<td>HIST 101 or HIST 102</td>
<td>History of Civilizations I - D2, SBH</td>
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<td>General Education: Cardinal Core Natural Sciences - S</td>
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<td>Select one of the following:</td>
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<tr>
<td>PHIL 222</td>
<td>Contemporary Moral Problems - AH</td>
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<tr>
<td>PHIL 225</td>
<td>Business Ethics</td>
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<td>PHIL 321</td>
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<td>PHIL 323</td>
<td>Medical Ethics</td>
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<td><strong>Spring</strong></td>
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<td>CIS 420</td>
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<td>MGMT 301</td>
<td>Management and Organizational Behavior</td>
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**Minimum Total Hours**: 15

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**Track in Information Security**

**Academic Plan Code(s): CIS_BSBSEC**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Year 1</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>CAMP 100</td>
<td>Campus Culture/Business Students</td>
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<tr>
<td>CIS 205</td>
<td>Information Systems in Organizations</td>
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</tr>
<tr>
<td>ENGL 101</td>
<td>Introduction to College Writing - WC</td>
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</tr>
<tr>
<td>CIS 305</td>
<td>Data Analysis for Decision-Making</td>
<td>3</td>
</tr>
<tr>
<td>General Education: Cardinal Core Natural Sciences - S</td>
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<tr>
<td>General Education: Cardinal Core Natural Sciences Lab - SL</td>
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<tr>
<td><strong>Spring</strong></td>
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</tr>
<tr>
<td>CIS 150</td>
<td>Fundamentals of Information Systems</td>
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<tr>
<td>MATH 180</td>
<td>Elements of Calculus - QR</td>
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<td>Intermediate College Writing - WC</td>
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<td>Principles of Microeconomics - SB</td>
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<td>General Education: Cardinal Core Oral Communication - OC</td>
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<td>BSTA 301</td>
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| **Minimum Total Hours**: 120

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Track in Web Development

Academic Plan Code(s): CIS_BSBWEB

<table>
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<th>Title</th>
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<tr>
<td>Year 1</td>
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<tr>
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<tr>
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<td>CIS 305</td>
<td>Data Analysis for Decision-Making</td>
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<td>General Education: Cardinal Core Natural Sciences - S</td>
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<td>CIS 199</td>
<td>Software Development I</td>
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<tr>
<td>MATH 180</td>
<td>Elements of Calculus - QR</td>
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<td>ECON 202</td>
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Year 2

<table>
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<tr>
<th>Fall</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>BUS 201</td>
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<tr>
<td>ECON 201</td>
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Year 3

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<td>CLAW 301</td>
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<td>General Elective</td>
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<td>Summer</td>
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<td>CIS 481</td>
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Year 4

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<td>CIS 410</td>
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<td>CIS 484</td>
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Degree Audit Report

Degree Audit reports illustrate how your completed courses fulfill the requirements of your academic plan. What-if reports allow you to compare the courses you have completed in your current academic plan to the courses required in another academic plan. Should you have questions about either report, please consult with your academic advisor.

To create either report:
1. Log into your ULink account.
2. Click on the Academic Progress tile.
3. Next, click on "View my Degree Audit" to run a Degree Audit report in the Undergraduate Advising area.
4. To create a What-if report, click on "Create a What-if Advisement Report."

Click here to run a Degree Audit report, or create a What-if report. (https://ulink.louisville.edu)

**Flight Planner**
Based on your major, the Flight Planner tool may be available for you to create a personalized Flight Plan. The Flight Planner can be found in the ULink Student Center. Consult with your advisor for assistance with the Flight Planner.