## Computer Science Bachelor of Arts

### Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Credits</th>
<th>Spring Credits</th>
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<tbody>
<tr>
<td>CSCI 107 - Joy and Beauty of Computing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STAT 216Q - Introduction to Statistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WRIT 101W - College Writing I</td>
<td>3</td>
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<tr>
<td>University CORE</td>
<td>3</td>
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<tr>
<td>Broadening Coursework</td>
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<tr>
<td>CSCI 127 - Joy and Beauty of Data</td>
<td>4</td>
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<tr>
<td>STAT 217Q - Intermediate Statistical Concepts</td>
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<td>University Seminar CORE</td>
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### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Credits</th>
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<tbody>
<tr>
<td>CSCI 132 - Basic Data Structures and Algorithms</td>
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<td>M 165Q - Calculus for Technology I</td>
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<td>Broadening Coursework</td>
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<td>CSCI 232 - Data Structures and Algorithms</td>
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<td>CSCI 246 - Discrete Structures</td>
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<td>WRIT 221 - Intermediate Tech Writing</td>
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### Junior Year

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ESOF 322 - Software Engineering</td>
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<tr>
<td>CS Elective</td>
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<tr>
<td>Broadening Coursework</td>
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<tr>
<td>CS Electives</td>
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<td>University CORE</td>
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### Senior Year

<table>
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<th>Course</th>
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<td>CS Electives</td>
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<td>Broadening Coursework</td>
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<td>Elective</td>
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<tr>
<td>ESOF 423 - Software Engineering Applications</td>
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<td></td>
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<tr>
<td>CSCI 481 - Program Assessment</td>
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<td></td>
</tr>
<tr>
<td>CS Electives</td>
<td>4</td>
<td></td>
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<tr>
<td>Broadening Coursework</td>
<td>6</td>
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<td><strong>Year Total:</strong></td>
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<td><strong>13</strong></td>
</tr>
<tr>
<td><strong>Total Program Credits:</strong></td>
<td><strong>120</strong></td>
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### Broadening Coursework:

The Computer Science B.A must be paired with one of the following tracks:

- Track 1: completion of an approved complimentary major,
- Track 2: completion of an approved complimentary minor AND the first year of a modern language. (101 & 102D in ARAB, CHIN, FRCH, GRMN, JPNS or SPNS), or
- Track 3: completion of a faculty-approved Plan which must include the first year of a modern language. (101 & 102D in ARAB, CHIN, FRCH, GRMN, JPNS or SPNS)

### Track One: Approved Complimentary Majors

**College of Arts and Architecture**

- Art (B.A. and B.F.A.)
- Environmental Design
- Film and Photography
- Music
- Music Technology
- Music Education

**College of Education, Health and Human Development**

- Elementary Education K-8
- Secondary Education
- Technology Education
- Community Health
- Early Childhood Education and Child Services
- Food and Nutrition
- Health and Human Performance
- Health Enhancement (Health and Physical Education)
- Hospitality Management
- Human Development and Family Science
- Sustainable Food & Bioenergy Systems

**Jake Jabs College of Business and Entrepreneurship**

- Accounting
- Finance
- Management
- Marketing

**College of Letters and Science**

- American Studies
- Asian Studies
- Anthropology
- Economics
- English
- History
- Liberal Studies
- Modern Languages and Literature
- Philosophy
- Political Science
- Psychology
- Sociology
College of Nursing (http://catalog.montana.edu/undergraduate/nursing/#undergraduatetext)

- Nursing

**Track Two: Approved Complimentary Minors**

In addition to any of the minors listed below the first year of a modern language (101 & 102D in ARAB, CHIN, FRCH, GRMN, JPNS or SPNS) must be completed.

College of Arts and Architecture

- Art History Minor (http://catalog.montana.edu/undergraduate/artsarchitecture/art/art-history-minor-nonteaching): 27 credits
- Music Minor (http://catalog.montana.edu/undergraduate/artsarchitecture/music/music-minor-nonteaching): 28 credits
- Photography Minor (http://catalog.montana.edu/undergraduate/artsarchitecture/film-photography/photography-minor-nonteaching): 28 credits

College of Education, Health and Human Development


College of Letters and Science

- Anthropology Minor (http://catalog.montana.edu/undergraduate/letters-science/anthropology/anthropology-minor-nonteaching): 21 credits plus advisor-approved Anthropology coursework to reach 27 credits
- China Studies Minor (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/china-studies-minor-nonteaching): 28 credits
- English Literature Minor (http://catalog.montana.edu/undergraduate/letters-science/english/english-minor-literature-nonteaching): 21 credits plus advisor-approved BA coursework to reach 27 credits.
- French Minor (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/french-minor-nonteaching): 27 credits
- German Minor (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/german-minor-nonteaching): 27 credits
- Hispanic Studies Minor (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/hispanic-studies-minor-nonteaching): 27 credits
- History Minor (http://catalog.montana.edu/undergraduate/letters-science/history/history-minor-nonteaching): 22-25 credits plus advisor-approved BA coursework to reach 27 credits.
- Latin American and Latino Studies Minor (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/latino-studies-minor-nonteaching): 27 credits
- Native American Studies Minor (http://catalog.montana.edu/undergraduate/letters-science/native-american-studies/native-american-studies-minor-nonteaching): 21 credits plus advisor-approved BA coursework to reach 27 credits.
- Philosophy Minor (http://catalog.montana.edu/undergraduate/letters-science/philosophy/philosophy-minor-nonteaching): 21 credits plus advisor-approved BA coursework to reach 27 credits.
- Psychology Minor (http://catalog.montana.edu/undergraduate/letters-science/psychology/psychology-minor-nonteaching): 23 credits plus (PSYX 490 or PSYX 495, 3 credits) plus (PSYX 499, 3 credits): 29 credits.

Jake Jabs College of Business and Entrepreneurship

- Accounting Minor (http://catalog.montana.edu/undergraduate/business/business-minors/accounting-minor): 24 credits plus a fourth 3-credit accounting elective to reach 27 credits
- Business Administration Minor (http://catalog.montana.edu/undergraduate/business/business-minors/business-administration-minor): 30 credits
- Finance Minor (http://catalog.montana.edu/undergraduate/business/business-minors/finance-minor): 30 credits
- International Business Minor (http://catalog.montana.edu/undergraduate/business/business-minors/international-business-minor): 30 credits

**Track Three: Faculty Approved Plan**

College of Agriculture

**Agricultural Business Plan: 33 credits**

Course List

**Required Courses (24 Credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECNS 101IS</td>
<td>Economic Way of Thinking</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 202</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 204IS</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 301</td>
<td>Intermediate Micro with Calc</td>
<td>3</td>
</tr>
<tr>
<td>ACTG 201</td>
<td>Principles of Financial Acct</td>
<td>3</td>
</tr>
<tr>
<td>AGBE 321</td>
<td>Economics of Ag Marketing</td>
<td>3</td>
</tr>
<tr>
<td>AGBE 341</td>
<td>Farm and Ranch Management</td>
<td>3</td>
</tr>
<tr>
<td>AGBE 345</td>
<td>Ag Finance and Credit Analysis</td>
<td>3</td>
</tr>
<tr>
<td>AGBE 421</td>
<td>Advanced Ag Marketing</td>
<td>3</td>
</tr>
</tbody>
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Targeted Economics Elective Courses - Choose Two (6 credits)

- AGBE 342
- AGBE 343
- AGBE 344
- AGBE 345
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AGBE 445</td>
<td>Agribusiness Management</td>
<td>3</td>
</tr>
<tr>
<td>AGBE 451RS</td>
<td>Economics of Ag Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 309</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 312</td>
<td>Labor Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 313</td>
<td>Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 314</td>
<td>International Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 317</td>
<td>Economic Development</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 320</td>
<td>Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 332</td>
<td>Econ of Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 303R</td>
<td>Intro to Econometrics</td>
<td>3</td>
</tr>
<tr>
<td>GPHY 284</td>
<td>Intro to GIS Science &amp; Cartog</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 332</td>
<td>Econ of Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 345</td>
<td>Econ Org, Finance &amp; Credit</td>
<td>3</td>
</tr>
<tr>
<td>ECNS 432R</td>
<td>Benefit-Cost Analysis</td>
<td>3</td>
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</tbody>
</table>

**Notes:** Supporting courses include STAT 216Q and M 161Q or M 171Q. Students in the Computer Science B.A. program will be allowed to substitute M 165Q for the M 161Q/M 171Q calculus requirements. ECNS 251IS Honors Economics (4 credits) may be substituted for the Three-course sequence: ECNS 251S ECNS 202, and ECNS 204IS. Students completing this plan would also receive credits required for the minor.

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**Political Science Plan: 27 credits**

**Required Courses**

- PSCI 201 Scope and Methods of Political Science 3
- PSCI 210IS Introduction to American Government 3
- PSCI 230D Introduction to International Relations 3
- PSCI 240 Introduction to Public Administration 3
- PSCI 250 Introduction to Political Theory 3

**Upper Division Elective Courses (12 credits)**

- Earn 12 credits from any upper-level PSCI courses

**Total Credits**: 27

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**Applied Economics Plan: 27 Credits**

**Required Courses (18 Credits)**

- ECNS 101IS Economic Way of Thinking 3
- ECNS 202 Principles of Macroeconomics 3
- ECNS 204IS Microeconomics 3
- ECNS 301 Intermediate Micro with Calc 3
- ECNS 303 Intermediate Macro with Calc 3
- ECNS 403R Intro to Econometrics 3

**Targeted Elective Courses - Choose Three (9 Credits)**

- AGBE 321 Economics of Ag Marketing 3
- AGBE 345 Ag Finance and Credit Analysis 3
- AGBE 421 Advanced Ag Marketing 3
- AGBE 445 Agribusiness Management 3
- AGBE 451RS Economics of Ag Policy 3
- ECNS 309 Managerial Economics 3
- ECNS 312 Labor Economics 3
- ECNS 313 Money and Banking 3
- ECNS 314 International Economics 3
- ECNS 317 Economic Development 3
- ECNS 320 Public Finance 3
- ECNS 332 Econ of Natural Resources 3
- ECNS 345 Econ Org, Finance & Credit 3
- ECNS 432R Benefit-Cost Analysis 3

**Notes:** Supporting courses include STAT 216Q and M 161Q or M 171Q. Students in the Computer Science B.A. program will be allowed to substitute M 165Q for the M 161Q/M 171Q calculus requirements. ECNS 251IS Honors Economics (4 credits) may be substituted for the Three-course sequence: ECNS 251S ECNS 202, and ECNS 204IS. Students completing this plan would also receive credits required for the minor.

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**Honors College Plan 27 Credits.**

- 27 credits that include 8 upper division credits as follows:
  - HONR 123, or HONR 124 - 1 credit
  - HONR 131 (for transfer students) - 4 credits
  - Text and Critics (Select one option)
    - HONR 201US and HONR 202IH - 8 credits
    - HONR 301US (for transfer students) - 4 credits
    - HONR 450 (Student Fellow) - 4 credits
  - Additional non-STEM honors courses to bring the credit total to -27. These courses include 400-level Honors Seminars, Honors Tutorials or Honors Independent Studies, Honors Special Topic Courses, Honors Sociology, Economics, Psychology, Music and Society, Mentoring Gifted Students, Great Expeditions, etc.

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**Custom Plan.**

- 27 Credits. If you are interested in using a plan other than the ones listed above, you may work with appropriate faculty to develop a custom plan. The plan must be approved by the appropriate parties. Meet with John Paxton to learn more.
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.