

Computer Science Bachelor of Arts

Freshman Year	Credits	
	Fall	Spring
CSCI 107 - Joy and Beauty of Computing	3	
STAT 216Q - Introduction to Statistics	3	
WRIT 101W - College Writing I	3	
University CORE	3	
Broadening Coursework	3	
CSCI 127 - Joy and Beauty of Data		4
STAT 337 - Intermediate Statistics with Introduction to Statistical Computing		3
University Seminar CORE		3
University CORE		3
Broadening Coursework		3
Year Total:	15	16
Sophomore Year	Credits	
	Fall	Spring
CSCI 132 - Basic Data Structures and Algorithms	4	
CSCI 215CS - Social & Ethical Issues in Computer Science	3	
M 165Q - Calculus for Technology I	3	
Broadening Coursework	6	
CSCI 232 - Data Structures and Algorithms		4
CSCI 246 - Discrete Structures		3
WRIT 221 - Intermediate Tech Writing		3
Broadening Coursework		6
Year Total:	16	16
Junior Year	Credits	
	Fall	Spring
ESOF 322 - Software Engineering	3	
CS Elective	3	
University CORE	3	
Broadening Coursework	6	
CS Electives		6
University CORE		3
Broadening Coursework		6
Year Total:	15	15
Senior Year	Credits	
	Fall	Spring
CS Electives	3	
Broadening Coursework	5	
Elective	6	
ESOF 423 - Software Engineering Applications		3
CSCI 481 - Program Assessment		0
CS Electives		4
Broadening Coursework		6
Year Total:	14	13
Total Program Credits:	120	

Broadening Coursework:

The Computer Science B.A. must be paired with one of 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 (<http://catalog.montana.edu/undergraduate/artsarchitecture/>)

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

College of Education, Health (<http://catalog.montana.edu/undergraduate/education-health-human-development/>) and **Human Development** (<http://catalog.montana.edu/undergraduate/education-health-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 (<http://catalog.montana.edu/undergraduate/business/#undergraduatetext>)

- Accounting
- Finance
- Management
- Marketing

College of Letters and Science (<http://catalog.montana.edu/undergraduate/letters-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/#undergraduate-text>)

- 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/>): 26 credits plus advisor-approved coursework to reach 27 credits.
- Music Minor (<http://catalog.montana.edu/undergraduate/artsarchitecture/music/music-minor-nonteaching/>): 28 credits.

College of Education, Health and Human Development

- Coaching Minor (<https://catalog.montana.edu/undergraduate/education-health-human-development/food-systems-nutrition-kinesiology/coaching-minor/>): 22 credits plus advisor-approved coursework to reach 27 credits.
- Gerontology Certificate (<https://catalog.montana.edu/undergraduate/education-health-human-development/human-development-community-health/gerontology/>): 15 credits plus advisor-approved coursework to reach 27 credits.
- Human Development Minor (https://catalog.montana.edu/undergraduate/education-health-human-development/human-development-community-health/human_development_minor/): 21 credits plus advisor-approved coursework to reach 27 credits.
- Personal and Consumer Finance Minor (<https://catalog.montana.edu/undergraduate/education-health-human-development/human-development-community-health/personal-finance/>): 24 credits plus advisor-approved coursework to reach 27 credits.

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
- Asian Studies Minor (<http://catalog.montana.edu/undergraduate/letters-science/asian-studies-minor/>): 21-22 credits plus advisor-approved coursework to reach 27 credits.
- China Studies Minor (<http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/china-studies-minor-nonteaching/>): 24 credits plus advisor-approved coursework to reach 27 credits.
- English Literature Minor (<http://catalog.montana.edu/undergraduate/letters-science/english/english-minor-literature-nonteaching/>): 21 credits plus advisor-approved coursework to reach 27 credits.
- English Writing Minor (<http://catalog.montana.edu/undergraduate/letters-science/english/english-minor-writing-nonteaching/>): 21 credits plus advisor-approved 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 coursework to reach 27 credits.
- Japan Studies Minor (<http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/japan-studies-minor-nonteaching/>): 24-25 credits plus advisor-approved coursework to reach 27 credits.
- Latin American and Latino Studies Minor (<http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/latin-american-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 coursework to reach 27 credits.
- Philosophy Minor (<http://catalog.montana.edu/undergraduate/letters-science/philosophy/philosophy-minor-nonteaching/>): 21 credits plus advisor-approved coursework to reach 27 credits.
- Political Science Minor (<https://catalog.montana.edu/undergraduate/letters-science/political-science/>): 21 credits plus advisor-approved coursework to reach 27 credits.
- Psychology Minor (<http://catalog.montana.edu/undergraduate/letters-science/psychology/psychology-minor-nonteaching/>): 23 credits plus advisor-approved coursework to reach 27 credits.
- Sociology Minor (<https://catalog.montana.edu/undergraduate/letters-science/sociology/sociology-minor-nonteaching/>): 21 credits plus advisor-approved coursework to reach 27 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.
- Entrepreneurship and Small Business Management Minor (<http://catalog.montana.edu/undergraduate/business/business-minors/entrepreneurship-and-small-business-management-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)

ECNS 101IS	Economic Way of Thinking	3
ECNS 202	Principles of Macroeconomics	3
ECNS 204IS	Microeconomics	3
ECNS 301	Intermediate Micro with Calc	3
ACTG 201	Principles of Financial Accounting	3
AGBE 321	Economics of Agricultural Marketing	3

AGBE 341	Farm and Ranch Management	3
AGBE 345	Agriculture Finance and Credit Analysis	3
Targeted Economics Elective Courses - Choose Two (6 credits)		
AGBE 421	Advanced Agricultural 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
Targeted Data Analysis Elective Courses - Choose One (3 Credits)		
ECNS 403R	Introduction to Econometrics	3
GPHY 284	Intro to GIS Science & Cartog	3
Total Credits		33

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 251IS, ECNS 202, and ECNS 204IS. Students completing this plan would also receive credits required for the minor.

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	Introduction to Econometrics	3
Targeted Elective Courses- Choose Three (9 Credits)		
AGBE 321	Economics of Agricultural Marketing	3
AGBE 345	Agriculture Finance and Credit Analysis	3
AGBE 421	Advanced Agricultural 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	Economic Policy Evaluation	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 251IS, ECNS 202,

and ECNS 204IS. Students completing this plan would also receive credits required for the minor.

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.

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. Contact the Director of the School of Computing to learn more.