# Bachelor of Science – Computing and Information Systems Major – Human Science Minor

## Four Year (120 credits)

**2018/2019** [**Program Requirements**](http://calendar.athabascau.ca/undergrad/2016/page03_17.php) **-** Effective September 1, 2018

This program plan will assist you in planning your program. You must follow the official program requirements for the calendar year in which you are enrolled.  
  
Please contact [Advising Services](http://advising.athabascau.ca/) for program planning assistance.

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| **Course Level Legend** JUNIOR / JR - 200 numbered course SENIOR / SR - 300 or 400 numbered course PREPARATORY - 100 numbered course | **Course Progress Legend** TR - Transfer Credit Awarded C - Completed AU Course IP - In Progress AU Course |

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| **LEVEL** | **TOTAL CREDITS** | **COURSE** | **REQUIREMENT** | **COURSE  PROGRESS** | **COMMENTS** |
| Junior | 3 | [COMP](http://www.athabascau.ca/course/ug_subject/cd/?subj=comp#comp)200 | Required Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Junior | 6 | [ENGL255](http://www.athabascau.ca/syllabi/engl/engl255.php) | Required Core [[English Writing Requirement](http://calendar.athabascau.ca/undergrad/2016/page03_04.php#EWSR)](http://calendar.athabascau.ca/undergrad/2013/page03_04.php#english) |  | [Humanities](http://www2.athabascau.ca/course/ug_area/humanities.php) |
| Junior | 9 | [MATH215](http://www.athabascau.ca/html/syllabi/math/math215.htm) or [MATH216](http://www.athabascau.ca/html/syllabi/math/math216.htm) | Required Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Junior | 12 | MATH265 or MATH270 | Required Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) – MATH270 is recommended |
| Junior | 15 | [COMP268](http://www.athabascau.ca/syllabi/comp/comp268.php) | Major Core |  | Science |
| Junior | 18 | [COMP272](http://www.athabascau.ca/syllabi/comp/comp272.php) | Major Core |  | Science |
| Junior | 21 | [BIOL235](http://www.athabascau.ca/syllabi/biol/biol235.php) | Minor Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) – This is a 6 credit course |
| Junior | 24 | [BIOL235](http://www.athabascau.ca/syllabi/biol/biol235.php) | Minor Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) – This is a 6 credit course |
| Jr/Sr | 27 | [HLST200](http://www.athabascau.ca/syllabi/hlst/hlst200.php) | Minor Core |  | Science |
| Jr/Sr | 30 |  | Minor Elective\* |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php)/[Social Science](http://www.athabascau.ca/course/ug_area/social/) /[Applied Studies](http://www.athabascau.ca/course/ug_area/applied/) |
| Jr/Sr | 33 |  | Minor Elective\* |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php)/[Social Science](http://www.athabascau.ca/course/ug_area/social/) /[Applied Studies](http://www.athabascau.ca/course/ug_area/applied/) |
| Jr/Sr | 36 |  | Minor Elective\* |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php)/[Social Science](http://www.athabascau.ca/course/ug_area/social/) /[Applied Studies](http://www.athabascau.ca/course/ug_area/applied/) |
| Jr/Sr | 39 |  | Option |  | Any area of study |
| Jr/Sr | 42 |  | Option |  | Any area of study |
| Jr/Sr | 45 |  | Option |  | Any area of study |
| Senior | 48 | [COMP314](http://www.athabascau.ca/syllabi/comp/comp314.php) | Major Core |  | Science |
| Senior | 51 | [COMP347](http://www.athabascau.ca/syllabi/comp/comp347.php) | Major Core |  | Science |
| Senior | 54 | [COMP361](http://www.athabascau.ca/syllabi/comp/comp361.php) | Major Core |  | Science |
| Senior | 57 | [COMP378](http://www.athabascau.ca/syllabi/comp/comp378.php) | Major Core |  | Science |
| Senior | 60 | [PHIL333](http://www.athabascau.ca/html/syllabi/phil/phil333.htm) or [PHIL371](http://www.athabascau.ca/html/syllabi/phil/phil371.htm) | Required Core |  | [Humanities](http://www2.athabascau.ca/course/ug_area/humanities.php) |
| Senior | 63 | [SCIE326](http://www.athabascau.ca/html/syllabi/scie/scie326.htm) | Required Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Jr/Sr | 66 |  | Option |  | [Social Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/social-science/all/) |
| Senior | 69 |  | Option |  | [Social Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/social-science/all/) |
| Senior | 72 |  | Option |  | Any area of study |
| Senior | 75 |  | Option |  | Any area of study |
| Senior | 78 |  | Option |  | Any area of study |
| Senior | 81 |  | Option |  | Any area of study |
| Senior | 84 |  | Option |  | Any area of study |
| Senior | 87 |  | Minor Elective\* |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php)/[Social Science](http://www.athabascau.ca/course/ug_area/social/) /[Applied Studies](http://www.athabascau.ca/course/ug_area/applied/) |
| Senior | 90 |  | Minor Elective\* |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php)/[Social Science](http://www.athabascau.ca/course/ug_area/social/) /[Applied Studies](http://www.athabascau.ca/course/ug_area/applied/) |
| Senior | 93 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | Science |
| Senior | 96 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | Science |
| Senior | 99 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | Science |
| Senior | 102 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | Science |
| Senior | 105 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | Science |
| Senior | 108 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | Science |
| Senior | 111 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | Science |
| Senior | 114 | [COMP482](http://www.athabascau.ca/syllabi/comp/comp482.php) | Major Core |  | Science |
| Senior | 117 | [COMP494](http://www.athabascau.ca/syllabi/comp/comp494.php) | Required Core |  | Science |
| Senior | 120 | [COMP495](http://www.athabascau.ca/syllabi/comp/comp495.php) | Major Core |  | Science |

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| The following courses are recommended options for the Computing and Information Systems Major: ADMN233, ORGB364. PHIL252, MGSC405 and MATH309.  A minimum of 72 credits need to be at the senior level. |
| A minimum of 15 credits need to be at the 400 level in the Science area of study. |
| A minimum of 72 credits need to be in the Science area of study. |
| \*Note: Students must select 15 credits in Human Science electives from the following list. A minimum of 6 credits must be at a senior level: [BIOL 204](http://www.athabascau.ca/syllabi/biol/biol204.htm), [BIOL 205](http://www.athabascau.ca/syllabi/biol/biol205.htm)/[BIOL 207](http://www.athabascau.ca/syllabi/biol/biol207.php), [BIOL 310](http://www.athabascau.ca/syllabi/biol/biol310.php), [BIOL 320](http://www.athabascau.ca/syllabi/biol/biol320.htm), [BIOL 325](http://www.athabascau.ca/syllabi/biol/biol325.htm), [BIOL 341](http://www.athabascau.ca/syllabi/biol/biol341.htm), [BIOL 345](http://www.athabascau.ca/syllabi/biol/biol345.htm), [BIOL 401](http://www.athabascau.ca/syllabi/biol/biol401.htm), [BIOL 480](http://www.athabascau.ca/syllabi/biol/biol480.php), [BIOL 495](http://www.athabascau.ca/syllabi/biol/biol495.htm), [BIOL 496](http://www.athabascau.ca/syllabi/biol/biol496.htm), [CHEM 301](http://www.athabascau.ca/syllabi/chem/chem301.htm), [CHEM 350](http://www.athabascau.ca/syllabi/chem/chem350.htm), [CHEM 360](http://www.athabascau.ca/syllabi/chem/chem360.htm), [NUTR 330](http://www.athabascau.ca/syllabi/nutr/nutr330.php), [NUTR 405](http://www.athabascau.ca/syllabi/nutr/nutr405.htm), [NUTR 495](http://www.athabascau.ca/syllabi/nutr/nutr495.htm), [ANTH 278](http://www.athabascau.ca/syllabi/anth/anth278.htm), [HADM 336](http://www.athabascau.ca/syllabi/hadm/hadm336.htm), [HADM 379](http://www.athabascau.ca/syllabi/hadm/hadm379.htm), [HLST 301](http://www.athabascau.ca/syllabi/hlst/hlst301.php), [PSYC 355](http://www.athabascau.ca/syllabi/psyc/psyc355.htm), [PSYC 402](http://www.athabascau.ca/syllabi/psyc/psyc402.htm). |