# Bachelor of Science – Computing and Information Systems Major – Physical Sciences 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 courseSENIOR / SR - 300 or 400 numbered coursePREPARATORY - 100 numbered course | **Course Progress Legend**TR - Transfer Credit AwardedC - Completed AU CourseIP - In Progress AU Course |

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| **LEVEL** | **TOTALCREDITS** | **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 | [CHEM217](http://www.athabascau.ca/syllabi/chem/chem217.php) | Minor Core |   | [Science](http://www2.athabascau.ca/course/ug_area/science.php)  |
| Junior | 24 | [CHEM218](http://www.athabascau.ca/syllabi/chem/chem218.php) | Minor Core |   | [Science](http://www2.athabascau.ca/course/ug_area/science.php)  |
| Junior | 27 | [PHYS204](http://www.athabascau.ca/syllabi/phys/phys204.php) | Minor Core |   | Science |
| Junior | 30 | [PHYS205](http://www.athabascau.ca/syllabi/phys/phys205.php) | Minor Core |   | Science |
| Jr/Sr | 33 | [CHEM](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/chemistry10/)/[PHYS](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/physics0/)/ [ASTR](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/astronomy-and-astrophysics5/) | Minor Elective |   | Science |
| Jr/Sr | 36 | [CHEM](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/chemistry10/)/[PHYS](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/physics0/)/ [ASTR](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/astronomy-and-astrophysics5/) | Minor Elective |  | Science |
| 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 | [CHEM](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/chemistry10/)/[PHYS](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/physics0/)/ [ASTR](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/astronomy-and-astrophysics5/) | Minor Elective |   | Science |
| Senior | 90 | [CHEM](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/chemistry10/)/[PHYS](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/physics0/)/ [ASTR](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/astronomy-and-astrophysics5/) | Minor Elective |   | Science |
| 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. |