# Bachelor of Science – Computing and Information Systems Major

## Four Year (120 credits)

**2017/2018** [**Program Requirements**](http://calendar.athabascau.ca/undergrad/current/program/scie-major-cis.php) **-** Effective September 1, 2017

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 [FST Student Success Centre](http://scis.athabascau.ca/contact-us/index.php) 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** | **AREA OF STUDY AND COMMENTS** |
| Junior | 3 | [COMP200](http://www.athabascau.ca/syllabi/comp/comp200.php) | 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](http://www.athabascau.ca/syllabi/math/math265.php) or [MATH270](http://www.athabascau.ca/syllabi/math/math270.php) | 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](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Junior | 18 | [COMP272](http://www.athabascau.ca/syllabi/comp/comp272.php) | Major Core |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Junior | 21 |  |  |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Junior | 24 |  |  |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Junior | 27 |  |  |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Junior | 30 |  |  |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Junior | 33 |  |  |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Junior | 36 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Junior | 39 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Junior | 42 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Jr/Sr | 45 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Jr/Sr | 48 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Senior | 51 | [COMP314](http://www.athabascau.ca/syllabi/comp/comp314.php) | Major Core |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 54 | [COMP347](http://www.athabascau.ca/syllabi/comp/comp347.php) | Major Core |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 57 | [COMP361](http://www.athabascau.ca/syllabi/comp/comp361.php) | Major Core |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 60 | [COMP378](http://www.athabascau.ca/syllabi/comp/comp378.php) | Major Core |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 63 | [PHIL333](http://www.athabascau.ca/html/syllabi/phil/phil333.htm) or [PHIL371](http://www.athabascau.ca/syllabi/phil/phil371.php) | Required Core |  | [Humanities](http://www2.athabascau.ca/course/ug_area/humanities.php) |
| Senior | 66 | [SCIE326](http://www.athabascau.ca/html/syllabi/scie/scie326.htm) | Required Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Jr/Sr | 69 |  | Option |  | [Social Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/social-science/all/) |
| Jr/Sr | 72 |  | Option |  | [Social Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/social-science/all/) |
| Senior | 75 |  | Option |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 78 |  | Option |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 81 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Senior | 84 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Senior | 87 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Senior | 90 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Senior | 93 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 96 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 99 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 102 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 105 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 108 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 111 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 114 | [COMP482](http://www.athabascau.ca/syllabi/comp/comp482.php) | Major Core |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 117 | [COMP494](http://www.athabascau.ca/syllabi/comp/comp494.php) | Required Core |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |
| Senior | 120 | [COMP495](http://www.athabascau.ca/syllabi/comp/comp495.php) | Major Core |  | [Science](http://www.athabascau.ca/course/course-listings.php?/undergraduate/science/all/) |

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| 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. |
| The following courses are recommended options for the Computing and Information Systems Major: ADMN233, ORGB364, PHIL252, MGSC405 and MATH309. |
| **Residency requirement**: 30 credits, 15 of those credits are in the major and must be obtained through Athabasca University. |