# Bachelor of Science – Computing and Information Systems Major – Applied Mathematics Minor

## Four Year (120 credits)

**2019/2020** [**Program Requirements**](http://calendar.athabascau.ca/undergrad/2016/page03_17.php) **-** Effective September 1, 2019

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](https://www.athabascau.ca/syllabi/math/math265.php) | Required Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Junior | 15 | [COMP268](http://www.athabascau.ca/syllabi/comp/comp268.php) | Major Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Junior | 18 | [COMP272](http://www.athabascau.ca/syllabi/comp/comp272.php) | Major Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Junior | 21 | [MATH266](http://www.athabascau.ca/syllabi/math/math266.php) | Minor Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Junior | 24 | [MATH270](http://www.athabascau.ca/syllabi/math/math270.php) | Minor Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Jr/Sr | 27 | [MATH271](http://www.athabascau.ca/syllabi/math/math271.php) | Minor Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Jr/Sr | 30 | [MATH](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/mathematics-22) | Minor Elective |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Jr/Sr | 33 | [MATH](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/mathematics-22) | Minor Elective |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Jr/Sr | 36 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Jr/Sr | 39 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Jr/Sr | 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/) |
| Senior | 48 | [COMP314](http://www.athabascau.ca/syllabi/comp/comp314.php) | Major Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 51 | [COMP347](http://www.athabascau.ca/syllabi/comp/comp347.php) | Major Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 54 | [COMP361](http://www.athabascau.ca/syllabi/comp/comp361.php) | Major Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 57 | [COMP378](http://www.athabascau.ca/syllabi/comp/comp378.php) | Major Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| 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](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Senior | 75 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/all/) |
| Senior | 78 |  | Option |  | [Any area of study](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/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 | [MATH](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/mathematics-22) | Minor Elective |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 90 | [MATH](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/mathematics-22) | Minor Elective |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 93 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 96 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 99 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 102 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 105 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 108 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 111 | [COMP](http://www.athabascau.ca/course/course-listings.php?/undergraduate/all/computer-science40/) | Major Elective |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 114 | [COMP482](http://www.athabascau.ca/syllabi/comp/comp482.php) | Major Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 117 | [COMP494](http://www.athabascau.ca/syllabi/comp/comp494.php) | Required Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |
| Senior | 120 | [COMP495](http://www.athabascau.ca/syllabi/comp/comp495.php) | Major Core |  | [Science](http://www2.athabascau.ca/course/ug_area/science.php) |

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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. |
| **Residency requirement**: 30 credits completed through Athabasca University; 15 of those credits need to be in the major and 9 credits in the minor. |