Bachelor of Science – Computing and Information Systems Major – Minor

Four Year (120 credits)

2023/2024 Program Requirements - Effective September 1, 2023

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 for program planning assistance.

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

LEVEL	TOTAL CREDITS	COURSE	REQUIREMENT	COURSE PROGRESS	COMMENTS
Junior	3	ENGL255	Required Core English Wiring Requirement	TO DO	Humanities – ENGL255 is strongly recommended, can choose a different ENGL course as long as a minimum grade of B- is achieved.
Junior	6	MATH215 or MATH216	Required Core	TO DO	Science
Junior	9	MATH265 or MATH270	Required Core	3 / TO DO	Science – MATH270 is required for students wanting to take COMP400
Junior	12	COMP200	Required Core	TO DO	Science
Junior	15	COMP268	Major Core	TO DO	Science
Junior	18	COMP272	Major Core	TO DO	Science
Junior	21	GEOL200	Minor Core	3	Science
Junior	24	GEOL201	Minor Core	3	Science
Junior	27	GEOG265 ~~GEOG265~~ GEOL 207	Minor Core	TO DO	Science
Junior	30	GEOG266 ~~GEOG266~~ ENVSC 200	Minor Core	TO DO	Science
Jr/Sr	33	GEOL or GEOG, or ENSC	Minor Elective	313 TO DO	Science – See Notes Below
Jr/Sr	36	GEOL or GEOG, or ENSC	Minor Elective	319 3	Science – See Notes Below

Jr/Sr	39	PHYS 274 Option		6	Any Area of Study
Jr/Sr	42	PHYS 202 Option		3	Any Area of Study
Jr/Sr	45	~~GEOG 322~~ Option		TO DO	Social Science
Jr/Sr	48	~~GEOG 365~~ Option		TO DO	Social Science
Senior	51	PHIL333 or PHIL371	Required Core	TO DO	Humanities
Senior	54	SCIE326	Required Core	TO DO	Science
Senior	57	COMP314	Major Core	TO DO	Science
Senior	60	COMP347	Major Core	TO DO	Science
Senior	63	COMP361	Major Core	TO DO	Science
Senior	66	COMP378	Major Core	TO DO	Science
Senior	69	COMP 400	Major Elective	TO DO	Science – feel free to explore the link for COMP specialties
Senior	72	COMP 372	Major Elective	TO DO	Science
Senior	75	COMP 410	Major Elective	TO DO	Science
Senior	78	COMP 418	Major Elective	TO DO	Science
Senior	81	COMP 456	Major Elective	TO DO	Science
Senior	84	GEOL or GEOG, or ENSC	Minor Elective	495 TO DO	Science – See Notes Below
Senior	87	GEOL or GEOG, or ENSC	Minor Elective	415 TO DO	Science – See Notes Below
Senior	90	GEOL 496 Option		TO DO	Any Area of Study
Senior	93	SCIE 480 Option		TO DO	Any Area of Study
Senior	96	COMP 325 Option		TO DO	Any Area of Study
Senior	99	COMP 348 Option		TO DO	Any Area of Study
Senior	102	COMP 361 Option		TO DO	Any Area of Study
Senior	105	GEOG 322 Option		TO DO	Any Area of Study
Senior	108	COMP 496	Major Elective	TO DO	Science

Senior	111	COMP 489	Major Elective	TO DO	Science
Senior	114	COMP482	Major Core	TO DO	Science
Senior	117	COMP494	Required Core	TO DO	Science
Senior	120	COMP495	Major Core	TO DO	Science – should be the last or within the last set of courses in the program.

Looking for suggestions on what COMP courses to take? Explore our suggested COMP course list for specializations.

Overall Program Requirements

Minimums
30 credits – Residency requirement (courses through AU)
15 credits – Residency requirement in the major (courses through AU)
9 credits – Residency Requirement in the minor (courses through AU)
72 credits – **Senior** (300/400) level
45 credits – **Senior** (300/400) level **Science**
15 credits – **Senior Science credits at the 400 level**
6 credits – In Social Science
Maximums
75 credits – In **any one Science discipline**
12 credits – Amount of senior project credits (495/496)
6 credits – At the preparatory (100) level
30 credits – Prior Learning Assessment and Recognition (PLAR)

Geoscience Minor Electives – Students must complete a minimum of 12 credits from the following disciplines:

- Geology (GEOL)
- Geography (GEOG)
- Geophysics *
- Environmental Science (ENSC)

A minimum of 6 credits must be at the senior (300 or higher) level. Courses which are easily demonstrated to have closely-related science content (e.g. CHEM350) may be considered towards the credit requirements.

*Note: AU does not currently offer Geophysics courses, but may accept external courses as transfer credit to be used towards the Geoscience electives.