



## Academic Advisement Report

For **Sophia Ngo** prepared on **07/25/2018**

<u>Undergraduate Programs Career</u>	<u>Requirement Term</u>
Science Bachelor Program	Fall 2018
Computer Science (Major)	Fall 2018
Bachelor of Science (Degree Stream)	Fall 2018
AA - Graduation Program	
Single Academic Program (Major)	

### Important Information and Disclaimer (RG 050019)

For questions concerning your degree, graduation, change of program or progression within your program, including questions about how your courses appear in this report, please contact your faculty advising office.

Disclaimer: AR is designed to help students make informed decisions regarding their academic programs. Every effort has been made to ensure that the information contained in AR conforms with the official degree requirements as stated in The University of Calgary Calendar. However, AR should be used in conjunction with the Calendar and with advice from an advisor in the appropriate faculty advising office, particularly by those students nearing graduation.

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### Science Faculty Information (RQ 050053)

- The GPA calculated over the program must be at least 2.00, and the GPA for courses in the major field must also be at least 2.00. For Honours: A minimum GPA of 3.30 over the last 90 units. Please use the GPA calculator in the Student Center or contact an advisor in the Undergraduate Science Centre with questions regarding GPA.

- All courses, unless otherwise stated, must be completed with a minimum grade of D.

Unauthorized Registration:

No courses may be used from GEOG597.37

No courses may be used from MATH205

A maximum of 36 units may be used from any single subject (i.e., courses with the same course name) outside the major field.

A maximum of 30 units may be used from any course offered by the Haskayne School of Business.

A maximum of 6 units may be used from BIOL231; BIOL233; BIOL241; BIOL243

### Science Course Reuse Information (RQ 050053)

Course reuse commonly occurs between separate Majors, Minors, and/or Concentrations. Course reuse may also occur within individual Majors, Minors, and Concentrations. Specific rules regarding course reuse within these individual program components are identified, as applicable, within the Program Requirement groups in this Academic Requirements report

### CPSC Program Info (RQ 050053)

Students who complete Computer Science 217 or 231 are only permitted to count a maximum of 6 units (1.0 full-course equivalent) of computer science at the 200 level toward the BSc Major program. Students who complete Computer Science 235 are only permitted to count a maximum of 3 units (0.5 full-course equivalent) of computer science at the 200 level toward the BSc Major program.

Students who have completed Computer Science 319, prior to admission to a program in Computer Science, may use



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this course in lieu of Computer Science 331 as a program requirement. Students with Computer Science 319 will be required to complete a block week course (Computer Science 105) in order to be qualified for senior courses in theoretical computer science.

Courses used to satisfy the above Logic Requirement, Ethics Requirement and Non-CPSC Requirement must include at least 9 units (1.5 full-course equivalents) chosen from Faculties other than the Faculty of Science. Of these 9 units (1.5 full-course equivalents), students must take at least 6 units (1.0 full-course equivalent) from the Faculty of Arts. The 9 units (1.5 full-course equivalents) from other Faculties may not be chosen from the courses listed in Table I in 3.4 Program Requirements.

Statistics 321 has one of Mathematics 253 or 267 or 277 as a prerequisite.

Science 311 may be counted among the 9 units (1.5 full-course equivalents) from other Faculties.

The Department offers several concentrations that can provide focus on specific areas of computer science. Students interested in these concentrations need to choose their options carefully, including the options taken in the first two years of the program, to fulfill the concentration requirements.

### **BSC IN COMPUTER SCIENCE (RG 022749)**

Course reuse rules for this program:

- A course may be applied to more than one RQ within this RG, unless otherwise specified.
- A course may NOT be used more than once within a single RQ.
- Reuse of courses does NOT reduce the total number of courses required for the degree.

### **Required Courses - Major Field (RQ 035747)**

**Not Satisfied:** Min 54 units from the field of Computer Science

- **Units:** 54.00 required, 6.00 used, 48.00 needed

A. Intro: CPSC231 and CPSC233 -- expand to see details below

**Satisfied** : Select one of the following:

- A. CPSC231 and CPSC233, or
- B. CPSC217 or DATA211, and CPSC219, or
- C. CPSC235 and another CPSC course at the 300 level or higher (contact the Undergraduate Science Centre to have this applied)

- **Units:** 6.00 required, 6.00 used

### **Courses Used**

Term	Subject	Catalog Nbr	Course Title	Grade	Units	Type
F18	CPSC	231	Intro CPSC for CPSC Majors I	A	3.00	EN
W19	CPSC	233	Intro CPSC for CPSC Majors II		3.00	IP

CPSC355, CPSC313, CPSC449, CPSC413, and CPSC457

**Not Satisfied:** Min 15 units from CPSC355, CPSC313, CPSC449, CPSC413, CPSC457

- **Units:** 15.00 required, 0.00 used, 15.00 needed

CPSC359

**Not Satisfied:** Min 3 units from CPSC359 (or CPSC325, discontinued)

- **Units:** 3.00 required, 0.00 used, 3.00 needed

CPSC331

**Not Satisfied:** Min 3 units from CPSC331. NOTE: Students who have completed CPSC319, prior to admission to a program in Computer Science, may use this course in lieu of CPSC331 as a program requirement. Contact the Undergraduate Science Centre to have this course applied. Students with CPSC319 will be required to complete a non-credit, on-line course in order to be qualified for senior courses in theoretical computer science. Students may contact the Department of Computer Science in order to register in this course.

- **Units:** 3.00 required, 0.00 used, 3.00 needed

SENG300



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**Not Satisfied:** Min 3 units from SENG300 (or SENG301 or CPSC301, both discontinued)

· **Units:** 3.00 required, 0.00 used, 3.00 needed

Additional courses in the field of Computer Science at the 500 level or above

**Not Satisfied:** Min 9 units selected from courses in the field of Computer Science at the 500 level or above

· **Units:** 9.00 required, 0.00 used, 9.00 needed

Additional courses in the field of Computer Science at the 400 level or above

**Not Satisfied:** Min 12 units selected from courses in the field of Computer Science at the 400 level or above

· **Units:** 12.00 required, 0.00 used, 12.00 needed

Additional courses in the field of Computer Science at the 300 level or above

**Not Satisfied:** Min 3 units selected from courses in the field of Computer Science at the 300 level or above

· **Units:** 3.00 required, 0.00 used, 3.00 needed

### Other Requirements - Math (RQ 036028)

**Not Satisfied:** Min 12 units Mathematics requirement

· **Units:** 12.00 required, 3.00 used, 9.00 needed

STAT213 or STAT321 (or an alternative course in Statistics - expand for details)

**Not Satisfied:** STAT213, STAT321 (formerly MATH321), or an alternative course in Statistics with the consent of the Department. STAT321 is preferred.

· **Units:** 3.00 required, 0.00 used, 3.00 needed

MATH249 or MATH265 or MATH275

**Satisfied** : Min 3 units from MATH249, MATH265, MATH275

· **Units:** 3.00 required, 3.00 used

### Courses Used

Term	Subject	Catalog Nbr	Course Title	Grade	Units	Type
F18	MATH	265	University Calculus I	B+	3.00	EN

MATH211 or MATH213

**Not Satisfied:** Min 3 units from MATH211, MATH213

· **Units:** 3.00 required, 0.00 used, 3.00 needed

MATH271 or MATH273

**Not Satisfied:** Min 3 units from MATH271, MATH273

· **Units:** 3.00 required, 0.00 used, 3.00 needed

### Other Requirements - Logic (RQ 036029)

**Satisfied** : Min 3 units Logic requirement

· **Units:** 3.00 required, 3.00 used

PHIL279 or PHIL377

**Satisfied** : Min 3 units from PHIL279, PHIL377

· **Units:** 3.00 required, 3.00 used



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## Courses Used

Term	Subject	Catalog Nbr	Course Title	Grade	Units	Type
W19	PHIL	279	Logic I		3.00	IP

### Other Requirements - Ethics (RQ 036030)

**Not Satisfied:** Min 3 units Ethics requirement

· **Units:** 3.00 required, 0.00 used, 3.00 needed

PHIL314

**Not Satisfied:** PHIL314

· **Units:** 3.00 required, 0.00 used, 3.00 needed

### Faculty Breadth Requirement (RQ 035636)

**Not Satisfied:** Min 18 units Breadth requirement

· **Units:** 18.00 required, 12.00 used, 6.00 needed

Courses from the Faculty of Arts

**Satisfied:** Min 6 units from the Faculty of Arts

· **Units:** 6.00 required, 6.00 used

## Courses Used

Term	Subject	Catalog Nbr	Course Title	Grade	Units	Type
F18	CHIN	205	Beginners' Chinese I	A	3.00	EN
W19	PHIL	279	Logic I		3.00	IP

Additional courses from outside the Faculty of Science

**Not Satisfied:** Min 12 units from outside the Faculty of Science (some exceptions - see Calendar)

· **Units:** 12.00 required, 6.00 used, 6.00 needed

## Courses Used

Term	Subject	Catalog Nbr	Course Title	Grade	Units	Type
F18	ARST	201	Intro to Architecture & Design	A-	3.00	EN
W19	PSYC	203	Psychology for Everyday Life		3.00	IP

### Graduation Requirement - Single Program (RG 050001)

WARNING: STUDENTS MUST ENSURE ALL REQUIREMENTS ARE SATISFIED

· **Units:** 120.00 required, 24.00 used, 96.00 needed

Summary of All Applicable Courses (RQ 050001)

This is a SUMMARY of courses used to satisfy requirements (as detailed above)

WARNING: STUDENTS MUST ENSURE ALL REQUIREMENTS ARE SATISFIED!

## Courses Used

Term	Subject	Catalog Nbr	Course Title	Grade	Units	Type
F18	ARST	201	Intro to Architecture & Design	A-	3.00	EN



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Term	Subject	Catalog Nbr	Course Title	Grade	Units	Type
F18	CHIN	205	Beginners' Chinese I	A	3.00	EN
F18	CPSC	231	Intro CPSC for CPSC Majors I	A	3.00	EN
W19	CPSC	233	Intro CPSC for CPSC Majors II		3.00	IP
F18	MATH	265	University Calculus I	B+	3.00	EN
W19	PHIL	279	Logic I		3.00	IP
W19	PSYC	203	Psychology for Everyday Life		3.00	IP

## All Open Options (RQ 050004)

Optional courses to complete the minimum units for a single degree

WARNING: STUDENTS MUST ENSURE ALL REQUIREMENTS ARE SATISFIED!

## Courses Used

Term	Subject	Catalog Nbr	Course Title	Grade	Units	Type
W19	MATH	267	University Calculus II		3.00	IP

## Unused Courses (RG 060249)

Courses listed here have not been used towards program requirements.

For further information, please consult an advisor in your Faculty Office.

## Repeated Courses / Not for Credit / F and W Grades

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## Courses Used

Term	Subject	Catalog Nbr	Course Title	Grade	Units	Type
F18	MATH	211	Linear Methods I	F	3.00	EN

## Statistics Course(s) Maximum

Credit towards degree requirements will be given for only one of Anthropology 307, Applied Psychology 301 and 303, Educational Psychology 301, Engineering 319, Political Science 399, Psychology 312, Psychology 300, 301, Sociology 311, Statistics 201 and 211, 205, 213 and 217, 327, 333, 357; that one being a course(s) appropriate to the degree program.

## Course History

Term	Subject	Catalog Nbr	Title	Grade	Units	Type
F18	ARST	201	Intro to Architecture & Design	A-	3.00	EN
F18	CHEM	HS030	High School Chemistry 30	86	0.00	TR
F18	CHIN	205	Beginners' Chinese I	A	3.00	EN
F18	CPSC	231	Intro CPSC for CPSC Majors I	A	3.00	EN
W19	CPSC	233	Intro CPSC for CPSC Majors II		3.00	IP
F18	MATH	HS0301	High School Mathematics 30-1	91	0.00	TR
F18	MATH	HS031	High School Mathematics 31	85	0.00	TR
F18	MATH	211	Linear Methods I	F	3.00	EN
F18	MATH	265	University Calculus I	B+	3.00	EN
W19	MATH	267	University Calculus II		3.00	IP
W19	PHIL	279	Logic I		3.00	IP



F18	PHYS	HS030	High School Physics 30	82	0.00	TR
W19	PSYC	203	Psychology for Everyday Life		3.00	IP