



## OFFICE OF THE ASSOCIATE VICE-PRESIDENT, ACADEMIC

8888 University Drive, Burnaby, BC Canada V5A 1S6  
 TEL: 778.782.6654 FAX: 778.782.5876  
 avpacad@sfu.ca www.sfu.ca/vpacademic

**MEMORANDUM**

ATTENTION	Senate	DATE	March 8, 2019
FROM	Elizabeth Elle, Vice-Chair Senate Committee on Undergraduate Studies	PAGES	1/5
RE:	Program Changes		

**For information:**

Acting under delegated authority at its meeting of March 7, 2019 SCUS approved the following curriculum revisions effective Fall 2019.

**a. Faculty of Applied Sciences (SCUS 19-18)****1. School of Computing Science**

- (i) Changes to the internal transfer criteria for the Computing Science Major and Honours programs
- (ii) Changes to the calendar description, admission requirements and the continuation requirements for the Computing Science Second Degree Major program
- (iii) Upper and lower division requirement changes to the Software Systems Major Bachelor of Science program

## **b. Faculty of Arts and Social Sciences (SCUS 19-19)**

### **1. Department of Economics**

(i) Upper and lower division requirement changes to the:

- Economics Major
- Economics Honours
- Business and Economics Joint Major
- Political Science and Economics Joint Major
- Business and Economics Joint Honours
- Economics Minor
- Economics Extended Minor
- Post Baccalaureate Diploma programs

### **2. Department of First Nations Studies**

(i) Upper and lower division requirement changes to the First Nations Studies Major, Minor, Post Baccalaureate Diploma and the Research Certificate programs

### **3. Global Asia Program**

(i) Upper and lower division requirement changes to the Global Asia minor program

### **4. Centre for Hellenic Studies**

(i) Upper and lower division requirement changes to the Hellenic Studies program

### **5. Department of History**

(i) Requirement changes to the History Major and Honours programs

### **6. School for International Studies**

(i) Upper and lower division requirement changes to the International Studies Major and Honours programs

(ii) Upper and lower division requirement changes to the World Literature and International Studies Joint Major program

(iii) Upper and lower division requirement changes to the International Studies Minor program



## 7. Department of Philosophy

- (i) Upper division requirement changes to the Philosophy Major program
- (ii) Requirement changes to the Philosophy Major and Minor – Concentration in Law and Philosophy
- (iii) Upper division requirement changes to the Philosophy Honours program
- (iv) Requirement changes to the Ethics Certificate program

## 8. Department of Political Science

- (i) Lower division requirement changes to the:
  - Political Science Major
  - Political Science Honours
  - French Cohort Program in Public and International Affairs French Major with Political Science Extended Minor
  - French Cohort Program in Public and International Affairs Political Science Major with a French Extended Minor
  - Joint Major Political Science and Economics
  - Joint Major Political Science and Gender, Sexuality, and Women's Studies
  - Political Science Minor
  - Political Science Extended Minor programs

## 9. Department of Sociology & Anthropology

- (i) Lower division requirement changes for the Sociology Minor program
- (ii) Lower division requirement changes for the Anthropology Minor program

## c. Beedie School of Business (SCUS 19-20)

- (i) Requirement changes to the:
  - Business Foundation program
  - Business Joint Major
  - Business Administration Major
  - Business Administration Honours
  - Innovation and Entrepreneurship Certificate
- (ii) Upper and lower division requirement changes to the Business and Economics joint Major

#### **d. Faculty of Communication, Art and Technology (SCUS 19-21)**

##### **1. School for the Contemporary Arts**

- (i) Upper and lower division requirement changes to the Theatre (Production and Design Stream) Honours program
- (ii) Upper division requirement changes to the Art, Performance and Cinema Studies Honours program
- (iii) Upper and lower division requirement changes to the Dance Honours and the Visual Art Honours programs
- (iv) Requirement changes to the Film Honours program
- (v) Upper and lower division requirement changes to the Music Honours and the Theatre (Performance Stream) Honours programs

##### **2. School of Communication**

- (i) Upper and lower division requirement changes to the Communication Minor program
- (ii) Adding new BA Second Degree Communication Major program

#### **e. Faculty of Education (SCUS 19-22)**

- (i) Requirement changes to the Bachelor of Education as a Second Degree program

#### **f. Faculty of Environment (SCUS 19-23)**

##### **1. Department of Geography**

- (i) Adding new BEnv Global Environmental Systems Honours program
- (ii) Name change to the Geography Honours program
- (iii) Upper and lower division requirement changes to the Geography Honours program

#### **g. Faculty of Science (SCUS 19-24)**

##### **1. Department of Mathematics**

- (i) Upper division requirement changes to the:
  - Applied Mathematics Bachelor of Science Honours and Major
  - Mathematics Bachelor of Science Honours and Major
  - Operations Research Bachelor of Science Honours and Major programs

2. Department of Statistics and Actuarial Science

- (i) Upper and lower division requirement changes to the STAT honours, major and minor programs

Senators wishing to consult a more detailed report of curriculum revisions may do so on the Senate Docushare repository at <https://docushare.sfu.ca/dsweb/View/Collection-12682>.

## Calendar Entry Change Computing Science Major

Rationale for change:

The internal transfer criteria for Computing Science major and honours programs has proven unsatisfactory. This change is intended to address the following problems, among others: 1) No consideration of performance in required upper-division courses disadvantages more senior applicants; 2) No requirement for a discrete math course, despite the fact that discrete math is fundamental; 3) The requirement to take a second year CMPT course, combined with the current difficulty of accessing seats in these courses, discourages interested first year students. The last of these is related to gender diversity, as few female students leave high school thinking they should study computing science but discover in first year that they are interested and capable.

The major program has had a continuation requirement for many years, but we have not been enforcing it. The result is a significant number of students in the program who not satisfy the requirement. At the same time, we have very high demand for the program, and there are many high-quality applicants who we cannot admit due to lack of space in classes. The change is to make explicit that students who consistently perform below the required minimum may be removed from the program.

Effective term and year:  
Fall 2019.

The following program(s) will be affected by these changes:

Computing Science Major

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

### Internal Transfer

Internal transfer allows students to transfer, within Simon Fraser University, from one faculty to another. ~~Simon Fraser University students applying for School of Computing Science admission are selected on the basis of an admission Computing-Related Grade Point Average (CRGPA) and Cumulative Grade Point Average (CGPA). The CRGPA is calculated over the best three courses chosen as follows:~~

- ~~• two computing courses chosen from: (CMPT 125, 129 or 135), CMPT 225, (CMPT 275 or 276), CMPT 295~~

- ~~one mathematics course chosen from: MACM 101, MACM 201, MATH 150, MATH 151, MATH 152, MATH 232, MATH 240~~

Simon Fraser University students applying for School of Computing Science admission are selected on the basis of an admission Computing Related Grade Point Average (CRGPA) and Cumulative Grade Point Average (CGPA). The CRGPA is computed from all courses the student has taken from the following: (CMPT 120, 128 or 130), (CMPT 125, 129 or 135), CMPT 225, (CMPT 275 or 276), CMPT 295, CMPT 300, CMPT 307, MACM 101, MACM 201, MACM 316. Applicants must have completed at least one MACM course and at least two CMPT courses from this list before applying. At least two courses used in the CRGPA calculation must have been taken at SFU.

No course may be included in the average if it is a duplicate of any previous course completed at Simon Fraser University or elsewhere. ~~All three courses must be completed prior to application.~~

The average for admission based on internal transfer is competitive and the school sets a competitive ~~average~~ averages each semester.

The CRGPA minimum average is 2.67 and the CGPA minimum average is 2.4 - the competitive averages will never be below these minima.

### Continuation Requirements

Students who do not maintain at least a 2.40 CGPA; will be placed on **probation within the School**. Courses available to probationary students may be limited. Each term, these students must consult an advisor prior to enrolment and must achieve either a 2.40 term GPA or an improved CGPA. **Students who fail to do so may be removed from the program.**

Reinstatement from probationary standing occurs when the CGPA improves to 2.40 or better and is maintained.



## Calendar Entry Change Computing Science Honours Program

Rationale for change:

The internal transfer criteria for Computing Science major and honours programs has proven unsatisfactory. This change is intended to address the following problems, among others: 1) No consideration of performance in required upper-division courses disadvantages more senior applicants; 2) No requirement for a discrete math course, despite the fact that discrete math is fundamental; 3) The requirement to take a second year CMPT course, combined with the current difficulty of accessing seats in these courses, discourages interested first year students. The last of these is related to gender diversity, as few female students leave high school thinking they should study computing science but discover in first year that they are interested and capable.

The identical change is being made to the criteria for the Major program.

Effective term and year:

Fall 2019.

The following program(s) will be affected by these changes:

Computing Science Honours.

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

### Internal Transfer

Internal transfer allows students to transfer, within Simon Fraser University, from one faculty to another. ~~Simon Fraser University students applying for School of Computing Science admission are selected on the basis of an admission Computing Related Grade Point Average (CRGPA) and Cumulative Grade Point Average (CGPA). The CRGPA is calculated over the best three courses chosen as follows:~~

- ~~two computing courses chosen from: (CMPT 125, 129 or 135), CMPT 225, (CMPT 275 or 276), CMPT 295~~
- ~~one mathematics course chosen from: MACM 101, MACM 201, MATH 150, MATH 151, MATH 152, MATH 232, MATH 240~~

**Simon Fraser University students applying for School of Computing Science admission are selected on the basis of an admission Computing Related Grade Point Average (CRGPA) and**

**Cumulative Grade Point Average (CGPA).** The CRGPA is computed from all courses the student has taken from the following: (CMPT 120, 128 or 130), (CMPT 125, 129 or 135), CMPT 225, (CMPT 275 or 276), CMPT 295, CMPT 300, CMPT 307, MACM 101, MACM 201, MACM 316. Applicants must have completed at least one MACM course and at least two CMPT courses from this list before applying. At least two courses used in the CRGPA calculation must have been taken at SFU.

No course may be included in the average if it is a duplicate of any previous course completed at Simon Fraser University or elsewhere. ~~All three courses must be completed prior to application.~~

The average for admission based on internal transfer is competitive and the school sets a competitive average averages each semester.

The CRGPA minimum average is 2.67 and the CGPA minimum average is 2.4 - the competitive averages will never be below these minima.

## Calendar Entry Change Computing Science Second Degree Major Program

Rationale for change:

The current calendar description is misleading in its representation of how long it is likely to take to complete the program, among other things. The current admissions requirements have proven to be unsuitable. The result that we admit students who have never demonstrated ability to work in a mathematical science, and in some cases have no idea what sort of activities are involved in being a computing science student. Many of these students struggle in the program. This change removes unrealistic information about how long it will take to complete the program and adds a requirement that applicants have taken relevant first year courses to determine aptitude. The change also modifies the continuation requirements, to be consistent with revised continuation requirements being proposed for the Computing Science Major program.

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Computing Science Second Degree Major Program

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Bachelor of Science or Bachelor of Arts

~~The school offers a second degree program leading to a bachelor of science (BSc) or bachelor of arts (BA) degree.~~

**This program provides students who already have a bachelor degree in another discipline a way to obtain a bachelor of science (BSc) or bachelor of arts (BA) degree with a major in computing science.**

~~Well-prepared students can complete this second degree program in one year (three terms) of full-time study. The ideal preparation is a mathematics background with programming experience comparable to the first two years of the computing science major program and a prior~~



~~degree in which English was the language of instruction. Students without this may need additional time to complete lower division prerequisites prior to starting upper division courses.~~

## Admission Requirements

This is a direct admission program and holders of a recognized bachelor's degree in another discipline may follow this program to earn a second degree.

Applicants should indicate their program interest by selecting computing science, Faculty of Applied Sciences BSc major as their first choice. ~~Applicants are selected primarily on upper division (third and fourth year) performance in the prior bachelor's degree and subsequent professional experience in which English was the language of instruction.~~

**Admission is competitive and based on the upper division (third and fourth year) performance in the prior bachelor's degree and a program Computing Related GPA (CRGPA). Applicants must have completed ~~courses~~ the following courses, or courses equivalent to them: MACM 101 and (CMPT 125, 129 or 135). The CRGPA is computed based on all courses equivalent to Simon Fraser University CMPT or MACM courses. Professional experience in a relevant work environment where English was the working language may be taken into account.**

~~Consult an Applied Sciences Advisor for provisions governing high school direct entry or direct transfer from another post-secondary institution.~~

## Continuation Requirements

Students who do not maintain at least a 2.40 CGPA, will be placed **on probation within the School.** ~~the school's probation.~~ Courses available to probationary students may be limited. Each term, these students must consult an advisor prior to enrolment and must achieve either a term 2.40 term GPA or an improved CGPA. **Students who fail to do so may be removed from the program.**

Reinstatement from probationary standing occurs when the CGPA improves to 2.40 or better and is maintained.

## Calendar Entry Change Software Systems Major

Rationale for change:

To adjust for several course changes made over the years, present the program design in a way that makes clear the similarities and differences with respect to other Computing Science programs, to revise certain requirements to be better aligned with other Computing Science programs, and to make other adjustments to the program to improve design and efficiency of running the program.

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Software Systems Major BSc.

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Software Systems Major

Bachelor of Science

This program provides the skills, knowledge and thought processes necessary for professional software production, while also providing a broad background of various computing systems that graduates encounter in their careers. ~~For course planning information, visit~~ **Visit** [www.cs.sfu.ca](http://www.cs.sfu.ca) for further information.

## Admission Requirements

Entry into Computing Science programs is possible via

- direct admission from high school
- direct transfer from a recognized post-secondary institution, or combined transfer units from more than one post-secondary institution
- internal transfer from within Simon Fraser University

Admission is competitive. A separate admission average for each entry route is established each term, depending on spaces available and subject to the approval of the Dean of Applied Sciences. Admission averages are calculated over a set of courses satisfying particular breadth constraints.

Consult an Applied Sciences Advisor for requirements governing high school direct entry or direct transfer from another post-secondary institution.

### Internal Transfer

Internal transfer allows students to transfer, within Simon Fraser University, from one faculty to another. Simon Fraser University students applying for School of Computing Science admission are selected on the basis of an admission Computing Related Grade Point Average (CRGPA) and Cumulative Grade Point Average (CGPA). The CRGPA is calculated over the best three courses chosen as follows.

- two computing courses chosen from: (CMPT 125, 129 or 135), CMPT 225, (CMPT 275 or 276), CMPT 295
- one mathematics course chosen from: MACM 101, MACM 201, ~~MATH 150, MATH 151, MATH 152, MATH 232, MATH 240~~

No course may be included in the average if it is a duplicate of any previous course completed at Simon Fraser University or elsewhere. All three courses must be completed prior to application.

The average for admission based on internal transfer is competitive and the school sets a competitive average each semester.

The CRGPA minimum average is 2.67 and the CGPA minimum average is 2.4 - the competitive averages will never be below these minima.

### Continuation Requirements

Students who do not maintain at least a 2.40 CGPA, will be placed on ~~the school's~~ **probation in the School**. Courses available to probationary students may be limited. Each term, these students must consult an advisor prior to enrolment and must achieve either a term 2.40 term GPA or an improved CGPA. **Students who fail to do so may be removed from the program.**

Reinstatement from probationary standing occurs when the CGPA improves to 2.40 or better and is maintained.

~~Students must obtain permission from the department if they wish to complete, for further credit, any course that is a prerequisite for a course the student has already completed with a grade of C- or higher.~~



## Graduation Requirements

A GPA of 2.00 must be obtained for upper division courses used to fulfill the program requirements.

## Prerequisite Grade Requirement

Computing Science course entry requires a grade of C- or better in each prerequisite course.

A minimum 2.40 CGPA is required for 200, 300 and 400 division CMPT courses. For complete information, contact an Applied Sciences advisor.

~~Students must obtain permission from the department if they wish to complete, for further credit, any course that is a prerequisite for a course the student has already completed with a grade of C- or higher.~~

## ~~First-year Requirements~~

~~The first year of Software Systems begins with Systems One, a curriculum for students in the Faculty of Applied Sciences at Surrey. The courses required for Systems One are included in the following list of requirements.~~

## Program Requirements

For specific program information and course plans consult an Applied Sciences Advisor.

## Lower Division Requirements

Students must complete the courses listed below. It is suggested that students complete a recommended schedule of courses within the first two years.

Students complete:

one of

CMPT 105W - Process, Form, and Convention in Professional Genres (3)  
ENSC 105W - Process, Form, and Convention in Professional Genres (3)  
MSE 101W - Process, Form, and Convention in Professional Genres (3)  
SEE 101W - Process, Form, and Convention in Professional Genres (3)

and all of

CMPT 130 - Introduction to Computer Programming I (3)  
 CMPT 135 - Introduction to Computer Programming II (3)  
 CMPT 213 - Object oriented design in Java (3)  
 CMPT 225 - Data Structures and Programming (3)  
 CMPT 276 - Introduction to Software Engineering (3)  
 CMPT 295 - Introduction to Computer Systems (3)  
 MACM 101 - Discrete Mathematics I (3)  
 MACM 201 - Discrete Mathematics II (3)  
 MSE 110 - Mechatronics Design I (3)

and one of

MATH 150 - Calculus I with Review (4)  
 MATH 151 - Calculus I (3)  
 MATH 154 - Calculus I for the Biological Sciences (3) \*\*  
 MATH 157 - Calculus I for the Social Sciences (3) \*\*

and one of

MATH 152 - Calculus II (3)  
 MATH 155 - Calculus II for the Biological Sciences (3) \*\*  
 MATH 158 - Calculus II for the Social Sciences (3) \*\*

and one of

MATH 232 - Applied Linear Algebra (3)  
 MATH 240 - Algebra I: Linear Algebra (3)

and one of

STAT 205 - Introduction to Statistics (3)  
 STAT 270 - Introduction to Probability and Statistics (3)  
 BUS 232 - Data and Decisions I (4)

\*\* with a grade of at least B+, and with school permission.

~~Students complete the following:~~

## Upper Division Requirements

Students should consult an academic advisor before commencing upper division requirements.

Students complete at least 45 upper division units including

CMPT 307 - Data Structures and Algorithms (3)

CMPT 376W - Technical Writing and Group Dynamics (3)

## Systems Requirements

~~Students complete at least 15 units, including all of~~

~~CMPT 295 - Introduction to Computer Systems (3)~~

~~CMPT 300 - Operating Systems I (3)~~

~~CMPT 371 - Data Communications and Networking (3)~~

~~MSE 110 - Mechatronics Design I (3)~~

~~and one of~~

~~CMPT 170 - Introduction to Web Application Development (3)~~

~~CMPT 354 - Database Systems I (3)~~

~~CMPT 431 - Distributed Systems (3)~~

~~CMPT 433 - Embedded Systems (3)~~

~~CMPT 454 - Database Systems II (3)~~

~~CMPT 470 - Web-based Information Systems (3)~~

~~CMPT 471 - Networking II (3)~~

Students complete at least 12 upper division units, including

**CMPT 300 - Operating Systems I (3)**

and three of

**CMPT 354 - Database Systems I (3)**

**CMPT 371 - Data Communications and Networking (3)**

**CMPT 431 - Distributed Systems (3)**

**CMPT 433 - Embedded Systems (3)**

**CMPT 454 - Database Systems II (3)**

**CMPT 470 - Web-based Information Systems (3)**

**CMPT 471 - Networking II (3)**

## Fundamentals Requirements



~~Students complete at least 27 units, including all of~~

~~CMPT 105W – Process, Form, and Convention in Professional Genres (3) or ENSC 105W – Process, Form, and Convention in Professional Genres (3)~~  
~~CMPT 106 – Applied Science, Technology and Society (3)~~  
~~CMPT 307 – Data Structures and Algorithms (3)~~  
~~CMPT 322W – Professional Responsibility and Ethics (3)~~  
~~MACM 101 – Discrete Mathematics I (3)~~  
~~MACM 201 – Discrete Mathematics II (3)~~

~~and one of~~

~~STAT 205 – Introduction to Statistics (3)~~  
~~STAT 270 – Introduction to Probability and Statistics (3)~~

## Software Engineering Requirements

**Students complete at least 12 upper division units including all of**

**CMPT 373 - Software Development Methods (3)**  
**CMPT 473 – Software Testing, Reliability and Security (3)**

**and at least two of**

**CMPT 379 - Principles of Compiler Design (3)**  
**CMPT 383 - Comparative Programming Languages (3)**  
**CMPT 384 - Symbolic Computing (3)**  
**CMPT 474 - Web Systems Architecture (3)**  
**CMPT 477 - Introduction to Formal Verification (3)**

~~Students complete at least 27 units including all of~~

~~CMPT 130 – Introduction to Computer Programming I (3)~~  
~~CMPT 135 – Introduction to Computer Programming II (3)~~  
~~CMPT 213 – Object oriented design in Java (3)~~  
~~CMPT 225 – Data Structures and Programming (3)~~  
~~CMPT 276 – Introduction to Software Engineering (3)~~  
~~CMPT 373 – Software Development Methods (3)~~  
~~CMPT 379 – Principles of Compiler Design (3)~~  
~~CMPT 473 – Software Quality Assurance (3)~~

~~and one of~~

~~CMPT 383 – Comparative Programming Languages (3)~~  
~~CMPT 384 – Symbolic Computing (3)~~  
~~CMPT 474 – Web Systems Architecture (3)~~  
~~CMPT 477 – Introduction to Formal Verification (3)~~

## Depth Requirement

Students must complete ~~nine~~ **six** additional CMPT or MACM units at the 300 or 400 level. In order to meet their program requirements, students must have completed at least nine CMPT or MACM units at the 400 level. **CMPT 415, 416 and 498 may only be included with permission of the School.**

## Writing, Quantitative, and Breadth Requirements

Students admitted to Simon Fraser University beginning in the fall 2006 term must meet writing, quantitative and breadth requirements as part of any degree program they may undertake. See Writing Quantitative, and Breadth Requirements for university-wide information.

### WQB Graduation Requirements

*A grade of C- or better is required to earn W, Q or B credit*

Requirement	Units	Notes	
W - Writing	6	Must include at least one upper division course, taken at Simon Fraser University within the student's major subject	
Q - Quantitative	6	Q courses may be lower or upper division	
B - Breadth	18	Designated Breadth	Must be outside the student's major subject, and may be lower or upper division 6 units Social Sciences: B-Soc 6 units Humanities: B-Hum 6 units Sciences: B-Sci
	6	Additional Breadth	6 units outside the student's major subject (may or may not be B-designated courses, and will likely help fulfil individual degree program requirements)  Students choosing to complete a joint major, joint honours, double major, two extended minors, an extended minor and a



		<p>minor, or two minors may satisfy the breadth requirements (designated or not designated) with courses completed in either one or both program areas.</p>
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## Residency Requirements and Transfer Credit

- At least half of the program's total units must be earned through Simon Fraser University study.
- At least two thirds of the program's total upper division units must be earned through Simon Fraser University study.

Please see Faculty of Applied Sciences Residency Requirements or further information.

## Elective Courses

In addition to the courses listed above, students should consult an academic advisor to plan the remaining required elective courses.

## Co-operative Education and Work Experience

All software systems students are strongly encouraged to explore the opportunities that Work Integrated Learning (WIL) can offer. Please contact a Software Systems co-op advisor during your first year of studies to ensure that you have all of the necessary courses and information to help plan for a successful co-op experience. For more information, visit <http://www.sfu.ca/coop/programs/cmpt/home.html>.

**Calendar Entry Change**  
**Economics, Faculty of Arts and Social Sciences**

Rationale

The change will make Econ 220W (Communication in Economics) a required course for all declared Econ majors.

Econ 220W will provide communication development for students in an Economics context. Contextualized language instruction provides improved learning outcomes over decontextualized learning environments. Earlier discipline-specific training in Economics writing and presentations is desirable as good communication skills are essential for student's job market and career prospects.

This change follows the recommendations of the Hartse/Wallace (2018) report on "Implementing Additional Support for International and Multilingual Students in SFU's Department of Economics: Considerations on Language, Literacy, & Communication."

The change requires an additional change in the Economics/Business Joint Major program requirements, as Economics and Business would like to give students the option of choosing between BUS 217W and ECON 220W. The new language reflects this change, and also consolidates the BUS/Econ joint major language, which previously had separate section for the Economics and the Business requirements. Business will make the same language change.

The change also removes reference to BUEC as a subject acronym; these course changes are already approved effective for Fall 2019.

Effective term and year: 1197

The following program(s) will be affected by these changes:  
Econ Major, Econ Joint Majors (Business, Political Science), Econ Honours, Econ Joint Honours (Business), extended Minor.

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

**Economics Major**

Admission Requirements

Program admission is limited. Entry is via a formal department application. Students may apply for admission to a program once 30 units have been completed, ECON 201 is completed with at least a C- grade, and the minimum cumulative grade point average (CGPA) is met and the ECON ~~BUEC~~ program GPA is met.

[...]

#### Course Information

For a course to fulfil a prerequisite, or for a required course to be accepted in a student's economics program, a grade of C- or higher must be obtained.

~~BUEC courses are offered jointly by the Faculty of Business Administration and the Department of Economics. They may count for credit in either business administration or economics programs, but not for both.~~

[...]

#### Lower Division Requirements

Students complete the following with at least a C- grade in each course prior to program admission.

ECON 103 - Principles of Microeconomics (4)  
ECON 105 - Principles of Macroeconomics (4)  
ECON 201 - Microeconomic Theory I: Competitive Behavior (4)  
MATH 157 - Calculus I for the Social Sciences (3)

Students must also complete **all of**

~~BUECBUS 232 - Data and Decisions I (4)~~  
**ECON 220W – Communication in Economics (4)**  
~~one additional 200 division ECON or BUEC courses.~~

Students who earn a grade of A- or better at Simon Fraser University on their first attempt in ECON 201 are exempt from the requirement of one additional 200 division ECON ~~or BUEC~~ course. These students should see Early Access to Upper Division Courses below for additional program information.

#### Upper Division Requirements

Normally, majors students will include 45 upper division units in their last 60 units of work that is counted towards the degree.

At least 30 upper division units in economics is required, including

~~BUEC~~ **ECON 333 - Statistical Analysis of Economic Data (4)**  
ECON 302 - Microeconomic Theory II: Strategic Behavior (4)  
ECON 305 - Intermediate Macroeconomic Theory (4)

and at least one 400 division ECON **course** (excluding ECON 402, 403, 431, and 435)

#### Early Access to Upper Division Courses

Students normally cannot enter ECON upper division courses during the first 60 units, but for those who have the minimum Simon Fraser University grade point average required to access upper division ECON/~~BUEC~~ courses, the following exceptions are permitted.

[...]



Students who earn an A- grade or better at Simon Fraser University on their first attempt in ~~BUEC~~ BUS 232 or STAT 270 may enrol for ~~BUEC~~ ECON 333 once they have completed 30 units. These upper division courses will count towards Department of Economics and Simon Fraser University upper division requirements. See ~~BUEC~~ and ECON course descriptions for access information.

## **Economics Honours**

### **Admission Requirements**

Program admission is limited. Entry is via a formal department application. Students may apply for admission to a program once 30 units have been completed, ECON 201 is completed with at least a C- grade, the minimum cumulative grade point average (CGPA) is met and the ECON ~~BUEC~~ program GPA is met.

[...]

### **Course Information**

For a course to fulfil a prerequisite, or for a required course to be accepted in a student's economics program, a grade of C- or higher must be obtained.

~~BUEC courses are offered jointly by the Faculty of Business Administration and the Department of Economics. They may count for credit in either business administration or economics programs, but not for both.~~

[...]

### **Lower Division Requirements**

Students complete the following, with at least a C- grade in each course, prior to program admission.

ECON 103 - Principles of Microeconomics (4)  
ECON 105 - Principles of Macroeconomics (4)  
ECON 201 - Microeconomic Theory I: Competitive Behavior (4)  
MATH 157 - Calculus I for the Social Sciences (3)

and ~~both~~ all of

~~BUEC~~ BUS 232 - Data and Decisions I (4)  
**ECON 220W – Communication in Economics (4)**  
one additional 200 division ECON ~~or BUEC~~ course

Students who earn a grade of A- or better at Simon Fraser University on their first attempt in ECON 201 are exempt from the requirement of one additional 200 division ECON ~~or BUEC~~ course. These students should see Early Access to Upper Division Courses below for additional program information.

### **Upper Division Requirements**

In addition, students will receive credit for at least 50 upper division units in economics including all of

~~BUEC~~ ECON 333 - Statistical Analysis of Economic Data (4)  
ECON 302 - Microeconomic Theory II: Strategic Behavior (4)  
ECON 305 - Intermediate Macroeconomic Theory (4)

ECON 331 - Introduction to Mathematical Economics (5) \*  
ECON 435 - Econometric Methods (5)  
ECON 494 - Honours Research Proposal (3)  
ECON 499W - Honours Research Project (6)

[...]

Early Access to Upper Division Courses

Students normally cannot enter ECON upper division courses during the first 60 units, but for those who have the minimum Simon Fraser University grade point average required to access upper division ECON/BUEC courses, the following exceptions are permitted.

[...]

Students who earn an A- grade or better at Simon Fraser University on their first attempt in ~~BUEC~~ BUS 232 or STAT 270 may enrol for ~~BUEC~~ ECON 333 once they have completed 30 units. These upper division courses will count towards Department of Economics and Simon Fraser University upper division requirements. See ~~BUEC~~ and ECON course descriptions for access information.

### **Business and Economics Joint Major**

[...]

~~Business~~-Lower Division Requirements

**Students complete one of**

**BUS 217W – Critical Thinking in Business (3)**  
**ECON 220W – Communication in Economics (4)**

~~Students complete~~ and all of

**MATH 157 - Calculus I for the Social Sciences (3)**  
~~BUS 217W – Critical Thinking in Business (3)~~  
BUS 237 - Introduction to Business Technology Management (3)  
BUS 251 - Financial Accounting I (3)  
BUS 254 - Managerial Accounting I (3)  
BUS 272 - Behavior in Organizations (3)  
ECON 103 - Principles of Microeconomics (4)  
ECON 105 - Principles of Macroeconomics (4)  
**ECON 201 - Microeconomic Theory I: Competitive Behavior (4)**  
**One additional 200 level ECON course**

**Students who earn a grade of A- or better at Simon Fraser University on their first attempt in ECON 201 are exempt from the requirement of one additional 200 division ECON or ~~BUEC~~ course. These students should see Early Access to Upper Division Courses below for additional program information.**

and one of

BUS 232 - Data and Decisions I (4)  
STAT 270 - Introduction to Probability and Statistics (3)  
~~and one of~~

~~MATH 150 - Calculus I with Review (4)~~  
~~MATH 151 - Calculus I (3)~~  
~~MATH 154 - Calculus I for the Biological Sciences (3)~~  
~~MATH 157 - Calculus I for the Social Sciences (3)~~

and one of\*

ENGL 111W - Literary Classics in English (3)  
 ENGL 112W - Literature Now (3)  
 ENGL 113W - Literature and Performance (3)  
 ENGL 114W - Language and Purpose (3)  
 ENGL 115W - Literature and Culture (3)  
 ENGL 199W - Introduction to University Writing (3)  
 PHIL 100W - Knowledge and Reality (3)  
 PHIL 105 - Critical Thinking (3)  
 PHIL 120W - Moral Problems (3)  
 WL 101W - Writing in World Literature (3)  
 WL 103W - Early World Literatures (3)  
 WL 104W - Modern World Literatures (3)

It is recommended that students complete BUS 202 - Foundations for Collaborative Work Environments (3) in order to ensure they possess the foundational skills in communication and collaboration necessary for successful completion of upper division business coursework. Students wishing to register in BUS 202 should consult with an Undergraduate Academic Advisor in the Beedie School of Business.

\* Any one of these courses may be replaced by any three unspecified transfer units in English or in ENGL-Writing at the 100- or 200-level.

#### ~~Economics Lower Division Requirements~~

~~Students complete the following with at least a C- grade in each course prior to program admission~~

~~ECON 103 - Principles of Microeconomics (4)~~  
~~ECON 105 - Principles of Macroeconomics (4)~~  
~~ECON 201 - Microeconomic Theory I: Competitive Behavior (4)~~  
~~MATH 157 - Calculus I for the Social Sciences (3)~~  
~~and both of~~

~~BUEC 232 - Data and Decisions I (4)~~  
~~One additional 200 level ECON course~~

~~Students who earn a grade of A- or better at Simon Fraser University on their first attempt in ECON 201 are exempt from the requirement of one additional 200 division ECON or BUEC course. These students should see Early Access to Upper Division Courses below for additional program information.~~

#### ~~Business Upper Division Requirements~~

#### ~~CORE COURSES~~

~~Students complete at least 29 upper division units in BUS or BUEC courses, including all of~~

~~BUS 312 - Introduction to Finance (4)~~  
~~BUS 336 - Data and Decisions II (4)~~  
~~BUS 343 - Introduction to Marketing (3)~~  
~~BUS 393 - Commercial Law (3)~~  
~~BUS 478 - Strategy (3) ^~~



and one of

BUS 374 - Organization Theory (3)

BUS 381 - Introduction to Human Resource Management (3)

BUS 360W is recommended but not required. BUS 360W will be waived as a prerequisite for 400 division BUS courses for those in approved BUS joint programs. BUS 360W must be completed at Simon Fraser University in accordance with the WQB requirements.

#### BUSINESS 400 DIVISION REQUIREMENT

Students complete two 400 division BUS or BUEC courses\*each worth a minimum of three units (excluding practicum courses and BUS 478).

~~\*Note that BUEC courses may count only once as business units or as economic units.~~

[...]

#### Economics Upper Division Requirements

Students complete at least 25 upper division units in ECON or BUEC\* courses including all of

~~BUEC~~ ECON 333 - Statistical Analysis of Economic Data (4)

ECON 302 - Microeconomic Theory II: Strategic Behavior (4)

ECON 305 - Intermediate Macroeconomic Theory (4)

and at least one 400 division ECON (excluding ECON 431 and 435). ~~\*Note that BUEC courses may count only once as business units or as economics units.~~

#### Early Access to Upper Division Courses

Students normally cannot enter ECON upper division courses during the first 60 units, but for those who have the minimum Simon Fraser University grade point average required to access upper division ECON/BUEC courses, the following exceptions are permitted.

[...]

Students who earn an A- grade or better at Simon Fraser University on their first attempt in ~~BUEC~~ BUS 232 or STAT 270 may enrol for ~~BUEC~~ ECON 333 once they have completed 30 units. These upper division courses will count towards Department of Economics and Simon Fraser University upper division requirements. See ~~BUEC~~ and ECON course descriptions for access information.

#### Political Science and Economics Joint Major

[...]

#### Economics Admission Requirements

Program admission is limited. Entry is via a formal department application. Students may apply for admission to an economics program once 30 units have been completed, ECON 201 is completed with at least a C- grade, the minimum cumulative grade point average (CGPA) is met and the ECON/~~BUEC~~ program GPA is met.

[...]

Program Requirements

Lower Division Requirements Political Science

[...]

and one of

~~BUEC~~ **BUS 232 - Data and Decisions I (4)**

POL 201 - Introductory Quantitative Methods in Political Science (3) \*

[...]

Lower Division Requirements Economics

[...]

and ~~both~~ all of

~~BUEC~~ **BUS 232 - Data and Decisions I (4)**

**ECON 220W – Communication in Economics (4)**

and one additional 200 division ECON ~~or BUEC~~ course

Students who earn a grade of A- or better at Simon Fraser University on their first attempt in ECON 201 are exempt from the requirement of one additional 200 division ECON ~~or BUEC~~ course. These students should see Early Access to Upper Division Courses below for additional program information.

[...]

Upper Division Economics

Students complete a total of at least 25 units, including all of

~~BUEC~~ **ECON 333 - Statistical Analysis of Economic Data (4)**

ECON 302 - Microeconomic Theory II: Strategic Behavior (4)

ECON 305 - Intermediate Macroeconomic Theory (4)

and at least one 400 division ECON (excluding ECON 431 and 435)

### **Business and Economics Joint Honours**

[...]

Admission Requirements

Economics Admission Requirements



Program admission is limited. Entry is via a formal department application. Students may apply for admission to an economics program once 30 units have been completed, ECON 201 is completed with at least a C- grade, the minimum cumulative grade point average (CGPA) is met and the ~~ECON/BUEC~~ program GPA is met.

[...]

#### Grade Requirements

For entry, continuance and graduation with a bachelor of business administration with a Business and Economics joint honours, the following grade point averages will be used:

- minimum 3.00 cumulative grade point average
- minimum 3.00 cumulative upper division grade point average
- minimum 3.00 grade point average for upper division BUS ~~and BUEC~~ courses
- minimum 3.00 cumulative grade point average on all BUS ~~and BUEC~~ courses

[...]

#### Program Requirements

Students complete a minimum of 132 units, including a minimum of 60 upper division units.

#### Lower Division Requirements

##### Business Lower Division Requirements

[...]

and one of

~~BUEC~~ BUS 232 - Data and Decisions I (4)  
STAT 270 - Introduction to Probability and Statistics (3)

[...]

##### Economics Lower Division Requirements

[...]

and ~~both~~ all of

~~BUEC~~ BUS 232 - Data and Decisions I (4)  
**ECON 220W – Communication in Economics (4)**  
One additional 200 level ECON ~~or BUEC~~ course

Students who earn a grade of A- or better at Simon Fraser University on their first attempt in ECON 201 are exempt from the requirement of one additional 200 division ECON ~~or BUEC~~ course. These students should see Early Access to Upper Division Courses below for additional program information.

### Upper Division Requirements

[...]

### Business Upper Division Requirements

#### Core Courses

Students complete at least 35 upper division units in BUS or BUEC courses, including all of

[...]

#### Additional Business Requirements

Students also complete at least three 400 division BUS or BUEC\* courses, each worth a minimum of three units (excluding practicum courses and BUS 478). These courses may be within the area of concentration chosen above. At least one of these 400 division courses must be completed at Simon Fraser University.

~~\*Note that BUEC courses may count only once as business units or as economic units.~~

### Economics Upper Division Requirements

Students also complete at least 29 upper division ECON or BUEC units including all of

~~BUEC~~ ECON 333 - Statistical Analysis of Economic Data (4) \*  
ECON 302 - Microeconomic Theory II: Strategic Behavior (4)  
ECON 305 - Intermediate Macroeconomic Theory (4)  
ECON 331 - Introduction to Mathematical Economics (5) \*\*

[...]

### Early Access to Upper Division Courses

Students normally cannot enter ECON upper division courses during the first 60 units, but for those who have the minimum Simon Fraser University grade point average required to access upper division ECON/BUEC courses, the following exceptions are permitted.

Students who earn a grade of A- or better at Simon Fraser University on their first attempt in ECON 201 may enrol in ECON 302 and 305, and all courses for which they have satisfied the prerequisites, once 30 units is completed.

Students who earn an A- grade or better at Simon Fraser University on their first attempt in ~~BUEC~~ BUS 232 or STAT 270 may enrol for ~~BUEC~~ ECON 333 once they have completed 30 units. These upper division courses will count towards Department of Economics and Simon Fraser University upper division requirements. See ~~BUEC~~ and ECON course descriptions for access information.

### Economics Minor

#### Admission Requirements

Program admission is limited. Entry is via a formal department application. Students may apply for admission to the minor program once 30 units have been completed, ECON 103 and 105 are completed with at least a C- grade in each course, the minimum cumulative grade point average (CGPA) is met and the ECON/BUEC program GPA is met.

[...]

#### Course Information

For a course to fulfil a prerequisite, or for a required course to be accepted in a student's economics program, a grade of C- or higher must be obtained.

~~BUEC courses are offered jointly by the Faculty of Business Administration and the Department of Economics. They may count for credit in either business administration or economics programs, but not for both.~~

[...]

#### Program Requirements

##### Lower Division Requirements

A minimum C- grade in all of the required courses listed below is required.

ECON 103 - Principles of Microeconomics (4)  
ECON 105 - Principles of Macroeconomics (4)  
~~two 200 division ECON or BUEC courses (excluding BUEC 232)~~

##### Upper Division Requirements

At least 15 upper division units in economics ~~or BUEC~~ courses, completed following the completion of 60 units, are required. A maximum of eight ECON upper division units from another institution can be applied to the minor.

With economics department approval, up to six units of relevant courses from other departments may be counted for the minor. These courses may not be used to satisfy the credit requirements of any other program at Simon Fraser University.

### Economics Extended Minor

#### Admission Requirements

Program admission is limited. Entry is via a formal department application. Students may apply for admission once 30 units have been completed, ECON 201 is completed with at least a C-, the minimum cumulative grade point average (CGPA) is met and the ECON/BUEC program GPA is met.

[...]

#### Course Information



For a course to fulfil a prerequisite, or for a required course to be accepted in a student's economics program, a grade of C- or higher must be obtained.

~~BUEC courses are offered jointly by the Beedie School of Business and the Department of Economics. They may count for credit in either business administration or economics programs, but not for both.~~

[...]

#### Lower Division Requirements

Students complete the following with at least a C- grade in each course prior to program admission.

ECON 103 - Principles of Microeconomics (4)  
ECON 105 - Principles of Macroeconomics (4)  
ECON 201 - Microeconomic Theory I: Competitive Behavior (4)  
MATH 157 - Calculus I for the Social Sciences (3)

and ~~both~~ all of

~~BUEC BUS 232 - Data and Decisions I (4)~~  
**ECON 220W – Communication in Economics (4)**  
one additional 200 division ECON ~~or BUEC~~ courses

Students who earn a grade of A- or better at Simon Fraser University on their first attempt in ECON 201 are exempt from the requirement of one additional 200 division ECON ~~or BUEC~~ course.

#### Upper Division Requirements

Students complete at least 15 upper division ECON ~~or BUEC~~ units following the completion of 60 lower division units. A maximum of eight ECON upper division units from another institution can be applied to the extended minor.

### Post Baccalaureate Diploma

[...]

#### Program Requirements

Successful completion of an approved program comprised of 30 units of third and fourth year courses, and some graduate courses if appropriate. At least 15 units must be in economics ~~or BUEC (business administration and economics)~~ which most closely fits the learning goals of the student. Minimum grade point average of 2.5 is required on courses applied toward the diploma. Students complete lower division prerequisites, if required. The diploma must be completed within five years of admission to the program.

[...]

**Calendar Entry Change**  
**Department of First Nations Studies**

<p><u>Rationale for change:</u> Inclusion of new courses into program requirements listed in the Calendar.</p>
<p><u>Effective term and year:</u> Fall 2019</p>
<p><u>The following program(s) will be affected by these changes:</u></p> <ol style="list-style-type: none"> <li>1. First Nations Studies Major</li> <li>2. First Nations Studies Minor</li> <li>3. First Nations Studies Post Baccalaureate Diploma</li> <li>4. First Nations Studies Research Certificate</li> </ol>

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

<p>First Nations Studies Major Bachelor of Arts</p> <p>This bachelor of arts (BA) degree program is for those who are interested in focusing and expanding their expertise in this discipline. Students will gain detailed insight into the cultures, histories and contemporary developments of Indigenous peoples in British Columbia and North America. Students will develop a solid foundation in the study of Indigenous issues from a variety of disciplinary approaches.</p> <p>Program Declaration</p> <p>Students seeking admission into a First Nations Studies Academic Program must demonstrate competency in a minimum of three FNST courses at SFU with an average subject grade of C or better. Completion of FNST 101 and FNST 201W prior to declaring a FNST program is recommended.</p> <p>Students who have successfully completed three or more FNST courses should contact the Department Advisor (fnstmgr@sfu.ca) to review eligibility and program completion timeline.</p> <p>Program Requirements</p> <p>Students should plan their program in consultation with the First Nations Studies advisor.</p>
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### Lower Division Requirements

Students complete a minimum total of 15 units, including

FNST 101 - Introduction to First Nations Studies (3)

FNST 201W - Canadian Aboriginal Peoples' Perspectives on History (3)

and a minimum of nine units from

ARCH 273 - Archaeology of the New World (4)

FNST 110W - International Indigenous Lifewriting (4)

**FNST 111 - Introduction to Participatory Indigenous Research Methods (3)**

**FNST 186 - Coast Salish Studies (3)**

FNST 212 - Indigenous Perceptions of Landscape (3)

FNST 222 - Selected Topics in First Nations Studies (3) \*

**FNST 232 - Introduction to Ethnoecology in First Nations Studies (3)**

FNST 286 - Indigenous Peoples and British Columbia: An Introduction (3)

Other courses which have First Nations content may be applied toward the major as an elective, subject to approval by the department. Students are advised to consult the program advisor.

\* may be completed more than once when offered as a different topic

### Upper Division Requirements

Students complete a minimum total of 30 units, including

FNST 301 - Issues in Applied First Nations Studies Research (3)

FNST 401 - Aboriginal Peoples and Public Policy (3)

FNST 402W - The Discourse of Aboriginal Peoples (3)

FNST 403 - Indigenous Knowledge in the Modern World (3)

and at least 18 units chosen from

EDUC 311 - Foundations in Aboriginal Education, Language, and Culture (3)

ENGL 453W - Aboriginal Literatures (4)

FNST 322 - Special Topics in First Nations Studies (0) +

FNST 325 - History of Aboriginal Peoples of North America to 1850 (4) ++ or HIST 325 -

History of Aboriginal Peoples of North America to 1850 (4) ++

FNST 326 - History of Aboriginal Peoples of North America Since 1850 (4) ++ or HIST 326 -

History of Aboriginal Peoples of North America Since 1850 (4) ++

FNST 327 - Aboriginal Women in Canada (4) ++ or GSWS 327 - Aboriginal Women in Canada (4) ++

FNST 329 - Sexuality and Gender: Indigenous Perspectives (3)

FNST 332 - Ethnobotany of British Columbia First Nations (3)

**FNST 333 - Ethnozoology of British Columbia First Nations (3)**

FNST 353W - First Nations Heritage Stewardship (3)



FNST 360 - Popular Writing by Indigenous Authors (4) ++ or ENGL 360 - Popular Writing by Indigenous Authors (4) ++  
 FNST 363 - Indigenous Poetry, Poetics, Printmaking (4)  
 FNST 376 - Indigenous Weaving Technologies: Community of Beings (4)  
 FNST 383 - Indigenous Technology: Art and Sustainability (4)  
 FNST 419 - Aboriginal/Indigenous Justice (3) ++ or CRIM 419 - Aboriginal/Indigenous Justice (3) ++  
 FNST 429 - Indigenous Peoples and International Law (3) ++ or CRIM 429 - Indigenous Peoples and International Law (3) ++  
 FNST 433 - Indigenous Environmental Justice and Activism (4)  
 FNST 442 - Directed Readings in First Nations Studies (3)  
 FNST 443W - Aboriginal Peoples, History and the Law (4) ++ or HIST 443W - Aboriginal Peoples, History and the Law (4) ++  
 FNST 447 - Directed Studies in First Nations Studies (3)  
 FNST 462 - Indigenous Oral Testimony: Theory, Practice, Purpose, Community (4)  
 SA 388 - Comparative Studies of Minority Indigenous Peoples (A) (4)

Other special topics and/or directed studies courses may be applied toward the major, provided the content suggests a suitable substitution, and subject to approval by the undergraduate chair or program advisor. Examples of such courses are ARCH 321 and 331 when the course topic has significant First Nations or Indigenous content. Credit accumulated in the certificate in First Nations Studies research maybe applied toward the major in First Nations Studies.

+ may be completed more than once when offered as a different topic

++ only one of the two courses may be used

#### First Nations Studies Minor

This program studies traditional and contemporary issues involving Aboriginal peoples of North America and Canada in particular. Designed for both First Nations and non-First Nations students, its focus is on First Nations cultures, languages, Indigenous knowledge and histories as well as "Indian-White" relations, the development of federal and provincial policy toward Aboriginal peoples, Aboriginal rights and title questions, economic development and self-government. The minor critically presents and examines these issues with the perspectives of Aboriginal peoples, and will present research methods pertinent to past, present and future issues affecting Aboriginal peoples.

This program may be completed in conjunction with any major honours bachelor's degree, or as part of a Bachelor of Arts degree with two minors. Students should plan their program in consultation with the First Nations Studies advisor.

### Program Declaration

Students seeking admission into a First Nations Studies Academic Program must demonstrate competency in a minimum of three FNST courses at SFU with an average subject grade of C or better. Completion of FNST 101 and FNST 201W prior to declaring a FNST program is recommended.

Students who have successfully completed three or more FNST courses should contact the Department Advisor (fnstmgr@sfu.ca) to review eligibility and program completion timeline.

### Program Requirements

#### Lower Division Requirements

Students complete at least nine units including  
 FNST 101 - Introduction to First Nations Studies (3)  
 FNST 201W - Canadian Aboriginal Peoples' Perspectives on History (3)

and at least one course from  
 FNST 110W - International Indigenous Lifewriting (4)  
**FNST 111 - Introduction to Participatory Indigenous Research Methods (3)**  
**FNST 186 - Coast Salish Studies (3)**  
 FNST 212 - Indigenous Perceptions of Landscape (3)  
 FNST 222 - Selected Topics in First Nations Studies (3) \*\*  
**FNST 232 - Introduction to Ethnoecology in First Nations Studies (3)**  
 FNST 286 - Indigenous Peoples and British Columbia: An Introduction (3)

Other courses which have First Nations content may be applied toward the minor as an elective, subject to approval by the program advisor.

\*\* may be completed more than once when offered as a different topic

#### Upper Division Requirements

At least 15 upper division units are required, including at least six units from the following.  
 FNST 301 - Issues in Applied First Nations Studies Research (3)  
 FNST 401 - Aboriginal Peoples and Public Policy (3)  
 FNST 402W - The Discourse of Aboriginal Peoples (3)  
 FNST 403 - Indigenous Knowledge in the Modern World (3)

Students must also complete at least nine units from  
 ARCH 378 - Pacific Northwest North America (3)  
 ARCH 386 - Archaeological Resource Management (3)



FNST 301 - Issues in Applied First Nations Studies Research (3) \*\*\*  
 FNST 322 - Special Topics in First Nations Studies (0) ††  
 FNST 325 - History of Aboriginal Peoples of North America to 1850 (4) † or HIST 325 - History of Aboriginal Peoples of North America to 1850 (4) †  
 FNST 326 - History of Aboriginal Peoples of North America Since 1850 (4) † or HIST 326 - History of Aboriginal Peoples of North America Since 1850 (4) †  
 FNST 327 - Aboriginal Women in Canada (4) † or GSW 327 - Aboriginal Women in Canada (4) †  
 FNST 329 - Sexuality and Gender: Indigenous Perspectives (3)  
 FNST 332 - Ethnobotany of British Columbia First Nations (3)  
**FNST 333 - Ethnozoology of British Columbia First Nations (3)**  
 FNST 353W - First Nations Heritage Stewardship (3)  
 FNST 360 - Popular Writing by Indigenous Authors (4) † or ENGL 360 - Popular Writing by Indigenous Authors (4) †  
 FNST 363 - Indigenous Poetry, Poetics, Printmaking (4)  
 FNST 376 - Indigenous Weaving Technologies: Community of Beings (4)  
 FNST 383 - Indigenous Technology: Art and Sustainability (4)  
 FNST 401 - Aboriginal Peoples and Public Policy (3) \*\*\*  
 FNST 402W - The Discourse of Aboriginal Peoples (3) \*\*\*  
 FNST 403 - Indigenous Knowledge in the Modern World (3) \*\*\*  
 FNST 419 - Aboriginal/Indigenous Justice (3) † or CRIM 419 - Aboriginal/Indigenous Justice (3) †  
 FNST 429 - Indigenous Peoples and International Law (3) † or CRIM 429 - Indigenous Peoples and International Law (3) †  
 FNST 433 - Indigenous Environmental Justice and Activism (4)  
 FNST 442 - Directed Readings in First Nations Studies (3)  
 FNST 443W - Aboriginal Peoples, History and the Law (4) † or HIST 443W - Aboriginal Peoples, History and the Law (4) †  
 FNST 447 - Directed Studies in First Nations Studies (3)  
 FNST 462 - Indigenous Oral Testimony: Theory, Practice, Purpose, Community (4)  
 LING 430 - Aboriginal Languages of the Americas (3)  
 LING 431 - Language Structures I (3) †††  
 LING 432 - Language Structures II (3) †††  
 SA 386 - The Ethnography of Politics (SA) (4)  
 SA 388 - Comparative Studies of Minority Indigenous Peoples (A) (4)

Other courses which have First Nations content may be applied toward the minor as an elective, subject to approval by the program advisor.

Credit accumulated in the certificate in First Nations Studies Research may be applied toward the minor in First Nations Studies.

\*\*\* when not used toward requirement of six units core requirement of six upper division units

† only one of the two courses may be used

†† may be completed more than once when offered as a different topic

††† only when the topic is an Aboriginal language; preferably in the same language in both courses

### First Nations Studies Post Baccalaureate Diploma

Through First Nations Studies courses and courses from other disciplines, the program provides in-depth knowledge of Aboriginal and Indigenous issues including First Nations cultures and Indigenous knowledge, historical contexts, natural and cultural resource management, and legal and public policy issues. Learners engage in dialogue and discussion around these issues and evaluate them, considering Aboriginal perspectives.

This program is comprised of at least 30 units of upper division or graduate level courses.

### Admission Requirements

Applicants must have a bachelor's degree or equivalent. Students can apply for entry in the fall, spring or summer terms. Consult with the First Nations Studies advisor for admission deadlines.

### Program Requirements

The post baccalaureate diploma (PBD) program can be completed through full-time or part-time study. Upon University admission, students must be approved for entry and must complete a PBD course plan. Completion is expected within two or three years, to a maximum of five years, with a 2.5 GPA in all diploma courses. Transfer credit may be approved if it meets the program requirements, and at least 18 of the 30 required units are completed at Simon Fraser University. Transfer credit application must be initiated at the time of University application. Credit applied to this program may not be applied to another Simon Fraser University certificate, diploma or degree, or vice-versa. Students should plan their program in consultation with the First Nations Studies advisor.

### Prerequisite Courses

Students complete both of  
FNST 101 - Introduction to First Nations Studies (3)  
FNST 201W - Canadian Aboriginal Peoples' Perspectives on History (3)



## Core Courses

Students complete all of

FNST 301 - Issues in Applied First Nations Studies Research (3)

FNST 401 - Aboriginal Peoples and Public Policy (3)

FNST 402W - The Discourse of Aboriginal Peoples (3)

FNST 403 - Indigenous Knowledge in the Modern World (3)

## Additional Electives

The remaining 18 elective units will be chosen by completing additional units chosen from:

FNST 322 - Special Topics in First Nations Studies (0) ††

FNST 325 - History of Aboriginal Peoples of North America to 1850 (4) † or HIST 325 -

History of Aboriginal Peoples of North America to 1850 (4) †

FNST 326 - History of Aboriginal Peoples of North America Since 1850 (4) † or HIST 326 -

History of Aboriginal Peoples of North America Since 1850 (4) †

FNST 327 - Aboriginal Women in Canada (4) † or GSWS 327 - Aboriginal Women in Canada (4) †

FNST 329 - Sexuality and Gender: Indigenous Perspectives (3)

FNST 332 - Ethnobotany of British Columbia First Nations (3)

**FNST 333 - Ethnozoology of British Columbia First Nations (3)**

FNST 353W - First Nations Heritage Stewardship (3)

FNST 360 - Popular Writing by Indigenous Authors (4) † or ENGL 360 - Popular Writing by Indigenous Authors (4) †

FNST 363 - Indigenous Poetry, Poetics, Printmaking (4)

FNST 376 - Indigenous Weaving Technologies: Community of Beings (4)

FNST 383 - Indigenous Technology: Art and Sustainability (4)

FNST 419 - Aboriginal/Indigenous Justice (3) † or CRIM 419 - Aboriginal/Indigenous Justice (3) †

FNST 429 - Indigenous Peoples and International Law (3) † or CRIM 429 - Indigenous Peoples and International Law (3) †

FNST 433 - Indigenous Environmental Justice and Activism (4)

FNLG 433 - First Nations Language Mentoring I (3)

FNLG 434 - First Nations Language Mentoring II (3)

FNST 442 - Directed Readings in First Nations Studies (3)

FNST 443W - Aboriginal Peoples, History and the Law (4) † or HIST 443W - Aboriginal Peoples, History and the Law (4) †

FNST 447 - Directed Studies in First Nations Studies (3)

FNST 462 - Indigenous Oral Testimony: Theory, Practice, Purpose, Community (4)

LING 430 - Aboriginal Languages of the Americas (3)

LING 431 - Language Structures I (3) \*

LING 432 - Language Structures II (3) \*



Other courses that have significant First Nations/Aboriginal content may be counted towards this program with First Nations Studies approval.

\* only when the topic is an Aboriginal language: preferably in the same language in both courses

† only one of the two courses may be used

†† may be completed more than once when offered as a different topic

### First Nations Studies Research Certificate

This program explores the history, prehistory, culture, language and contemporary situation of Canadian Aboriginal peoples, and teaches basic research skills about First Nations/Aboriginal issues with emphasis on BC Aboriginal people. Normal completion requires five full time terms. The certificate, which can be completed as a full-time or part time program or as part of a bachelor degree, is especially suited to students who wish to gain proficiency in First Nations/Aboriginal issues, social research skills, and basic cultural resource management skills. Students should plan their admission and program in consultation with the First Nations Studies advisor.

### Admission Requirements

Normal University admission requirements apply. Students may be admitted under regular or special categories. Assistance is available at the First Nations Studies' Burnaby office.

### Program Declaration

Students seeking admission into a First Nations Studies Academic Program must demonstrate competency in a minimum of three FNST courses at SFU with an average subject grade of C or better. Completion of FNST 101 and FNST 201W prior to declaring a FNST program is recommended.

Students who have successfully completed three or more FNST courses should contact the Department Advisor ([fnstmgr@sfu.ca](mailto:fnstmgr@sfu.ca)) to review eligibility and program completion timeline.

### Program Requirements

#### Lower and Upper Division Requirements

Requirements include

successful completion of at least 30 units, of which a minimum 18 are earned by completing six required courses. In addition, students complete one practicum option (Option 1, 2, or 3). The remaining six units are selected from the specified list of optional courses.

minimum grade point average of 2.0 calculated on all courses applied to the certificate. Duplicate courses are counted only once.

completion of the certificate normally within five years of program admission.

Students complete all of

FNST 101 - Introduction to First Nations Studies (3)

FNST 201W - Canadian Aboriginal Peoples' Perspectives on History (3)

FNST 212 - Indigenous Perceptions of Landscape (3)

FNST 301 - Issues in Applied First Nations Studies Research (3)

and a total of 18 units from each of the following four categories:

a) one course from

FNST 332 - Ethnobotany of British Columbia First Nations (3)

**FNST 333 - Ethnozoology of British Columbia First Nations (3)**

FNST 353W - First Nations Heritage Stewardship (3)

FNST 433 - Indigenous Environmental Justice and Activism (4)

b) one course from

ARCH 201 - Reconstructing the Human Past (4)

GEOG 100 - Our World: Introducing Human Geography (3)

SA 101 - Introduction to Anthropology (A) (4)

c) and one practicum option

Option 1

One term placement in the SFU Co-operative Education Program in First Nations Studies with a place in an Aboriginal organization. The employment situation must be acceptable to the First Nations Studies research program. First Nations Studies Co-op courses include:

FASS 201 - FASS Co-op Practicum I (3)

FASS 301 - FASS Co-op Practicum II (3)

FASS 302 - FASS Co-op Practicum III (3)

FASS 401 - FASS Co-op Practicum IV (3)

FASS 402 - FASS Co-op Practicum V (3)

Option 2



At least five units of an archaeology field school involving survey and excavation of an Indigenous heritage site, or an Indigenous focused field school in another discipline, subject to approval by the First Nations Studies Department.

### Option 3

FNST 442 Directed Readings in First Nations Studies (3) is required, which permits a faculty member to supervise an independent field research project acceptable to the First Nations Studies research certificate.

and the remaining units chosen from the following list:

FNST 110W - International Indigenous Lifewriting (4)

**FNST 111 – Introduction to Participatory Indigenous Research Methods (3)**

**FNST 186 – Coast Salish Studies (3)**

FNST 222 - Selected Topics in First Nations Studies (3) ††

**FNST 232 – Introduction to Ethnoecology in First Nations Studies (3)**

FNST 286 - Indigenous Peoples and British Columbia: An Introduction (3)

FNST 322 - Special Topics in First Nations Studies (0) ††

FNST 325 - History of Aboriginal Peoples of North America to 1850 (4) † or HIST 325 -

History of Aboriginal Peoples of North America to 1850 (4) †

FNST 326 - History of Aboriginal Peoples of North America Since 1850 (4) † or HIST 326 -

History of Aboriginal Peoples of North America Since 1850 (4) †

FNST 327 - Aboriginal Women in Canada (4) † or GSWS 327 - Aboriginal Women in Canada (4) †

FNST 329 - Sexuality and Gender: Indigenous Perspectives (3)

FNST 332 - Ethnobotany of British Columbia First Nations (3) \*\*

**FNST 333 – Ethnozoology of British Columbia First Nations (3) \*\***

FNST 353W - First Nations Heritage Stewardship (3) \*\*

FNST 360 - Popular Writing by Indigenous Authors (4) or ENGL 360 - Popular Writing by Indigenous Authors (4)

FNST 363 - Indigenous Poetry, Poetics, Printmaking (4)

FNST 376 - Indigenous Weaving Technologies: Community of Beings (4)

FNST 383 - Indigenous Technology: Art and Sustainability (4)

FNST 401 - Aboriginal Peoples and Public Policy (3)

FNST 402W - The Discourse of Aboriginal Peoples (3)

FNST 403 - Indigenous Knowledge in the Modern World (3)

FNST 419 - Aboriginal/Indigenous Justice (3) † or CRIM 419 - Aboriginal/Indigenous Justice (3) †

FNST 429 - Indigenous Peoples and International Law (3) † or CRIM 429 - Indigenous Peoples and International Law (3) †

FNST 433 - Indigenous Environmental Justice and Activism (4) \*\*

FNST 442 - Directed Readings in First Nations Studies (3)

FNST 443W - Aboriginal Peoples, History and the Law (4) † or HIST 443W - Aboriginal Peoples, History and the Law (4) †



FNST 447 - Directed Studies in First Nations Studies (3)

FNST 462 - Indigenous Oral Testimony: Theory, Practice, Purpose, Community (4)

Other courses that have significant First Nations/Aboriginal content maybe counted towards this certificate with First Nations Studies approval.

Note: Some Burnaby or Vancouver campus courses maybe used toward the certificate with department approval. A three course maximum (10 units) of comparable content and level from an approved college or university may be transferred, subject to University regulations and department approval. Units applied to this certificate may also apply to a major, a joint major or minor or bachelor's degree under normal program regulations, but may not be applied to another Simon Fraser University certificate or diploma.

\*\* when not used in the preceding group a) requirement.

† only one of the two courses may be used and may count toward the certificate

†† may be completed more than once when offered as a different topic

**Calendar Entry Change**

**Name of Program or Name of Faculty**

**Global Asia minor**

<p>Rationale for change: adding new electives; correcting an error in language requirements; simplifying language describing lower-division requirements</p>
<p>Effective term and year: Fall 2019</p>
<p>The following program(s) will be affected by these changes: Global Asia minor</p>

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

<p>Lower Division Requirements Students must complete at least 15 units, including</p> <p>GA 101 - Introduction to Global Asia (3) and *six Language units from</p> <p>CHIN 100 - Mandarin Chinese I (3) CHIN 101 - Mandarin Chinese II (3) <del>CHIN 330 - Mandarin Chinese III (3)</del> <b>CHIN 200 Mandarin Chinese III</b> JAPN 100 - Introduction to Japanese I (3) JAPN 101 - Introduction to Japanese II (3) JAPN 200 - Advanced Beginners' Japanese I (3) LANG 148 - Special Topics (3) *Students who are fluent in any one or all of the languages included in the minor must connect with the program director to pass an assessment test and discuss possible substitutions.</p> <p>and six units, <b>including no more than three units from one region</b> <del>from the following options</del></p> <p><del>Option 1: students choose one course from each of two out of three regions: China or Japan or South Asia.</del></p> <p><del>Option 2: students choose one course on one region and a trans-global course that has substantial Asian content.</del></p> <p><b>CHINA</b> GA 200 - Introduction to Chinese Civilization (3) GA 202 - Studies in Asian Cultures (3)</p>
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**HIST 254 China to 1800 (3)**

HIST 255 - China since 1800 (3)

**HUM 203 Great Texts: Asian Thought and Literature (3)**

SA 275 - China in Transition (SA) (4)

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## Upper Division Requirements

At least seven upper division units used toward satisfying the upper division requirement must be completed at Simon Fraser University.

Students complete a total of at least 15 units and may complete other courses with variable content that have appropriate content that do not appear below.

## CHINA

CMNS 445 - Media and Popular Culture in China (4)

GA 302 - Selected Topics in Chinese Studies (3)

HIST 366 - Social and Cultural History of Modern China (4)

HIST 367 - History of the People's Republic of China (4)

HIST 479W - Contentious Problems in Modern Chinese History (4)

**IS 333 Chinese Development and its Discontent (4)**

...

## TRANS-GLOBAL

CMNS 443 - Comparative Asian Media Systems (4)

ENGL 394 - Studies in Asian Diasporic Literatures (4)

GA 300 - Asians and North Americans in Public Discourse (3)

GA 301 - Asia-Canada Identities: Experiences and Perspectives (3)

GA 400 - Selected Topics in Asia-Canada Studies (3)

GSWS 312 - Immigrants, Women and Transnational Migration (4) \*

HIST 322 - Atlantic and Pacific Migration (4)

HIST 358 - Development, Aid and Difference in Historical Perspective (4) \*

HIST 368W - Selected Topics in the History of the Wider World (4) \*

HIST 425W - Gender and History (4) \*

HIST 464 - Problems in Modern Asian History (4)

HUM 331 - Special Topics in Asian Religious Traditions (4)

**HUM 382 Selected Topics in Asian Cultures (4)**

POL 342 - Developing Countries in Global Politics (4) \*

POL 343 - Global Political Economy (4) \*

SA 328 - States, Cultures and Global Transitions (SA) (4) \*

SA 329 - Sex, Work, and International Capital (SA) (4) \*

WL 304 - Exile and Migration (4)

\* Students must consult their program advisor/Departmental Undergraduate Chair to ensure that content is Asia-related.





## Calendar Entry Change Hellenic Studies

### Rationale for change:

We are changing the course requirements for the Hellenic Studies Certificate, so as to better reflect the nature of the accreditation. Currently, the requirements for the certificate are more reflective of a minor (particularly in the number of credits required to complete it) and we plan to align the necessary credit hours with other certificates in FASS. This will also positively impact the completion rate of the certificate.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

Hellenic Studies Certificate

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Hellenic Studies

### CERTIFICATE

The certificate, which requires ~~24 units~~ **the completion of 19 units, including at least ONE upper division course**, is for those with **an interest in** Hellenic studies ~~interest and students with an interest in pursuing~~ **also for those with an interest in** ~~graduate~~ Greek history **at the graduate level**. The latter should complete **at least** two language courses. Special topics courses may be completed in place of those below with advisor approval.

### Grade Requirement

A cumulative grade point average (CGPA) of 2.0 or a C average is required for all courses applied to the certificate.

### Program Requirements

Students **must** complete ~~three~~ **19 units, including one upper division course** (~~nine units~~) chosen from the following.

## Lower Division Courses

### **HS 100 – The Greek World (B-HUM 3)**

HUM 102W - Classical Mythology (3)

### **HS 150 - Warfare in the Hellenic World: From Plato to NATO (B-HUM/B-SOC 3)**

### **HUM 151 – Ancient Greek I (3)**

HUM 152 - Ancient Greek II (3)

### **HS 201 – Rome: From Republic to Empire (3)**

HUM 201 - Great Texts: Ancient World to Renaissance (3)

### **HS 209 - Heroic Greek Tales: From the Trojans to Frankenstein (B-HUM 3)**

### **HS 216 – War and Society (B-HUM 3)**

### **HS 231 – Daily Life in Ancient Greece and Rome (B-HUM 3)**

### **HS 232 – The Religions of Ancient Greece and Rome (B-HUM 3)**

### **HS 275 – From Alexander to the Caesars: The Hellenic and Roman Worlds to the End of Antiquity (B-HUM 3) \***

HS 276 - Social, Economic, and Political History of the Mediterranean (3) \*

HS 277 - History of Greek Civilization (3) \*

HS 278 - The Greeks in the Ottoman Empire (3) \*

HS 279 - Greece in the 20th Century (3) \*

HS 280 - War in the Balkans and the Making of the 21st Century (3) \*\*

~~GRK 110~~**GRK 191** - Modern Greek for Beginners I (3)

~~GRK 160~~**GRK 192** - Modern Greek for Beginners II (3)

### **GRK 291 – Modern Greek Intermediate I (3)**

### **GRK 292 – Modern Greek Intermediate II (3)**

## Upper Division Courses

**Students must complete at least one course from the following:**

HIST 304 - Alexander the Great and the Quest for World Empire (4)

HS 307 - Selected Topics in Hellenic Studies (4) \*

### **ARCH/HS 312 – Greek Art and Archaeology (4)**

### **ARCH/HS 313 – Roman Art and Archaeology (4)**

HS 359 - Constructing the Nation State in Greece, the Balkans, and the Mediterranean (4) \*

HS 364 - Traveller, Diplomatic, and Media Narratives in Greece, the Balkans and the Mediterranean (4) \*

HS 422 - Greece, 1935-1944: Occupation and Resistance (4) \*

HS 441 - Women, Property, and the Law in the Mediterranean (4) \*

HS 460 - Themes in Byzantine History (4) \*

HUM 302W - The Golden Age of Greece: An Integrated Society (4)



~~A student who successfully completes all four language courses (HUM 151, 152, LANG 110, 160) needs only three from the upper division list.~~

~~\* These courses are also available with a HIST designation. Either HS or HIST designation can be used towards the certificate.~~

~~\*\* This course is also available with an IS designation. Either HS or IS designation can be used towards the certificate.~~

### ~~Upper Division Requirements~~

~~Upper division prerequisite completion is the student's responsibility because completion of lower division requirements does not complete the prerequisites for upper division courses in this multidisciplinary program.~~

~~Students complete four courses (15-16 units) chosen from the following.~~

~~PHIL 350 - Ancient Philosophy (3)~~

~~\* These courses are also available with a HIST designation. Either HS or HIST designation can be used towards the certificate.~~



**Calendar Entry Change**  
**Department of History**

Rationale for change:  
This change adds a newly created course to the appropriate course lists within the History major and honours programs.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

- History Major
- History Honours

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Group 1 – Europe

[...]

HIST 338 - World War II (4)

HIST 339 - The British Empire and Commonwealth (4)

**HIST 341 - History of Women in Europe: Ideas and Debates from the Renaissance to the Present (4)**

HIST 345W - Selected Topics in European History (4)

HIST 347 - STT- Family and Youth in Scotland (4)

[...]

Group 4 – Global/Comparative

[...]

HIST 335 - The Soviet Project (4)

HIST 338 - World War II (4)

**HIST 341 - History of Women in Europe: Ideas and Debates from the Renaissance to the Present (4)**

HIST 358 - Development, Aid and Difference in Historical Perspective (4) or IS 358 - Development, Aid and Difference in Historical Perspective (4)

HIST 372 - City Life (4)

[...]

## Calendar Entry Change School For International Studies

Rationale for change:

We are updating the list of courses in each of our three concentrations to reflect new course offerings and to further clarify the focus of each stream.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

International Studies Major

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

International Studies Major

Bachelor of Arts

The program is primarily for students with a background or interest in political science, history, economics, geography, sociology, anthropology, and humanities, as well as other areas. Students can specialize in international issues through a curriculum which integrates training and experience concerning the complex and challenging issues that are central to global affairs. Public or private sector employees who wish to specialize in specific dimensions that are necessary to understand and address international issues may also be interested in this program.

Program Declaration

Students are eligible to apply for entry after meeting the posted CGPA requirement on the international studies website and successfully completing 30 units, including

IS 101 - Global Challenges of the 21st Century: An Introduction to International Studies (3)

and three of

IS 200 - Security and Global Governance: Interdisciplinary Perspectives (3)

IS 210 - Comparative World Politics: Trajectories, Regimes, Challenges (3)

IS 220 - Wealth and Poverty of Nations (3)

~~IS 230 - Transnationalism and Society (3)~~

**IS 230 – Beyond the Nation-State: Identity and Belonging in a Globalized World (3)**

IS 265 - Global History from the Revolutionary Age to the Present (3)

Applications should be made at the end of the term after all final grades have been released.

**Required Grades**

Students must obtain C- or higher in all courses used toward the program.

**Concurrent Bachelor's-Masters Accelerated Master's Program**

Students enrolled in the ~~concurrent degree~~ **accelerated master's** program may use up to a maximum of 10 graduate units of courses listed below towards the upper division level requirements of their bachelor's degree and towards the requirements of their master's degree.

IS 801 - Institutions, Policies and Development (4)

IS 806 - State Failure and Reconstruction: Comparative Perspectives (4)

IS 808 - Special Topics in Governance and Conflict (4)

IS 809 - Selected Topics - Economic and Social Development of Selected Regions (4)

IS 814 - Special Topics on the Middle East (4)

IS 815 - Theories of Latin American Development (4)

IS 835 - Social and Political Change in Latin America (4)

or other courses as may be recommended by the Graduate Program Committee of the School.

The following two core undergraduate courses cannot be substituted with graduate level courses:

~~IS 450W – Seminar on Global Problems in Interdisciplinary Perspective (4)~~

**IS 350W - Seminar on Global Problems in Interdisciplinary Perspective (4)**

IS 451 - Seminar on Core Texts in International Studies (4)

**Program Requirements**

**Lower Division Requirements**

Students complete a minimum of 18 lower division units, including

IS 101 - Global Challenges of the 21st Century: An Introduction to International Studies (3)

and lower division units from one of three concentrations:



International Security and Conflict **Conflict**  
Comparative World Politics, Culture and Society  
International Development, Economic and Environmental Issues

International Security and Conflict Concentration

Students complete

IS 200 - Security and Global Governance: Interdisciplinary Perspectives (3)

and one of

ECON 102 - The World Economy (3)

ECON 105 - Principles of Macroeconomics (4)

and three of

IS 210 - Comparative World Politics: Trajectories, Regimes, Challenges (3)

IS 220 - Wealth and Poverty of Nations (3)

~~IS 230 - Transnationalism and Society (3)~~

**IS 230 - Beyond the Nation-State: Identity and Belonging in a Globalized World (3)**

IS 265 - Global History from the Revolutionary Age to the Present (3)

Comparative World Politics, Culture and Society Concentration

Students complete

IS 210 - Comparative World Politics: Trajectories, Regimes, Challenges (3)

and one of

ECON 102 - The World Economy (3)

ECON 105 - Principles of Macroeconomics (4)

and three of

IS 200 - Security and Global Governance: Interdisciplinary Perspectives (3)

IS 220 - Wealth and Poverty of Nations (3)

~~IS 230 - Transnationalism and Society (3)~~

**IS 230 - Beyond the Nation-State: Identity and Belonging in a Globalized World (3)**

IS 265 - Global History from the Revolutionary Age to the Present (3)

International Development, Economic, and Environmental Issues Concentration

Students complete all of

ECON 103 - Principles of Microeconomics (4)  
ECON 105 - Principles of Macroeconomics (4)  
IS 220 - Wealth and Poverty of Nations (3)

and two of

IS 200 - Security and Global Governance: Interdisciplinary Perspectives (3)  
IS 210 - Comparative World Politics: Trajectories, Regimes, Challenges (3)  
~~IS 230 - Transnationalism and Society (3)~~  
**IS 230 - Beyond the Nation-State: Identity and Belonging in a Globalized World (3)**  
IS 265 - Global History from the Revolutionary Age to the Present (3)

Upper Division Requirements

Students complete 36 upper division units including all of

IS 300 - Research Methods in International Studies (4)  
~~IS 450W - Seminar on Global Problems in Interdisciplinary Perspective (4)~~  
**IS 350W - Seminar on Global Problems in Interdisciplinary Perspective (4)**  
IS 451 - Seminar on Core Texts in International Studies (4)

The remaining 24 units are chosen from one of the three concentrations. At least 16 out of the 24 upper division concentration units must be completed from International Studies course offerings at SFU, **4 of which must be at the 400 level**. Up to a maximum of 8 upper division units may be chosen from non-IS course offerings.\*

International Security and Conflict Concentration

GSWS 433 - Gender, Violence, Resistance (4)  
HIST 332 - Politics and Culture in Modern Germany (4)  
HIST 335 - The Soviet Project (4)  
HIST 338 - World War II (4)  
HIST 350 - The Ottoman Empire and Turkey (4)  
HIST 352 - Religion and Politics in Modern Iran (4)  
HIST 354 - Imperialism and Modernity in the Middle East (4)  
HIST 355 - The Arab Middle East in the Twentieth Century (4)  
HIST 371 - The Asia-Pacific War in Modern Japanese History (4)  
HIST 401 - Problems in Modern German History (4)  
HIST 419W - Problems in Modern Russian History (4)  
HIST 422 - Greece, 1935-1944: Occupation and Resistance (4)  
HIST 445 - Problems in Modern Italian History (4)

HIST 456 - The Late Ottoman Empire: State, Culture and Social Transformation, 1750-1923 (4)  
~~HIST 457 - The Turkish Republic: Politics, Society, and Culture, 1918-Present (4)~~  
HIST 458W - Problems in Latin American Regional History (4)  
HIST 459W - Problems in the Political and Social History of Latin America (4)  
HIST 463W - Rebellion and Revolution: Topics in the Theory and Practice of Resistance (4)  
~~HIST 464 - Problems in Modern Asian History (4)~~  
HIST 465 - The Palestinian-Israeli Conflict (4)  
HIST 467 - Modern Egypt (4)  
~~IS 302 - Introduction to Humanitarian Intervention (4)~~  
**IS 302 - Humanitarian Intervention: An Introduction (4)**  
IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)  
IS 304 - Russian Foreign and Security Policies (4)  
~~IS 305 - Challenging Power Around the Globe: Political Resistance and Protest (4)~~  
**IS 306 - State Failure and Reconstruction (4)**  
IS 307 - International Ethics: Poverty, Environmental Change, & War (4)  
~~IS 309 - Special Topics I (4)~~  
**IS 309 - Special Topics in International Security and Conflict (4)**  
~~IS 313W - Nationalism, Democracy and Development in Modern India (4)~~  
IS 314 - National, Regional, and International Politics in Southeast Asia (4)  
IS 315 - Introduction to Middle East Politics (4)  
~~IS 319 - Special Topics II (4)~~  
IS 322 - Central Asia: Democracy, Development and Conflicts (4)  
IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)  
~~IS 329 - Special Topics III (4)~~  
IS 355 - Refugees and Forced Migration (4)  
IS 409 - Special Topics I (4)  
IS 414 - Current Regional Issues in Southeast Asia (4)  
IS 415 - Islamist Trend in Middle East Politics (4)  
~~IS 419 - Special Topics II (4)~~  
~~IS 423 - International Development Practice and Ethics (4)~~  
~~IS 429 - Special Topics III (4)~~  
IS 435 - Special Topics in Latin American Studies (4)  
**IS 444 - Inside Diplomacy: A Practitioner's Perspective (4)**  
~~POL 315 - Intermediate Quantitative Methods (4)~~  
POL 342 - Developing Countries in Global Politics (4)  
POL 344 - International Law (4)  
POL 346 - International Organization (4)  
POL 348 - Theories of War, Peace and Conflict Resolution (4)  
POL 349 - Selected Topics in International Relations (4)  
POL 373 - Human Security (4)  
POL 381W - Japanese Politics (4)  
POL 417 - Human Rights Theories (4)  
POL 422 - Canadian International Security Relations (4)



POL 434W - Nationalism and Ethnic Conflict (4)  
 POL 443 - Nuclear Strategy, Arms Control, and International Security (4)  
 POL 445W - American Foreign Policy (4)  
 POL 448 - Selected Topics in International Relations (4)  
 POL 449 - Selected Topics in International Relations II (4)  
**REM 454 – Water Security (4)**  
 SA 330 - Global Islam (SA) (4)

Comparative World Politics, Culture and Society Concentration

GSWS 312 - Immigrants, Women and Transnational Migration (4)  
**HIST 314 – British and Irish Society since the Mid 18<sup>th</sup> Century (4)**  
**HIST 319 – Modern France (4)**  
**HIST 332 - Politics and Culture in Modern Germany (4)**  
**HIST 339 – The British Empire and Commonwealth (4)**  
 HIST 335 - The Soviet Project (4)  
 HIST 344 - Themes in Modern East Africa (4)  
 HIST 348 - A History of Twentieth Century South Africa (4)  
 HIST 350 - The Ottoman Empire and Turkey (4)  
 HIST 352 - Religion and Politics in Modern Iran (4)  
 HIST 354 - Imperialism and Modernity in the Middle East (4)  
 HIST 355 - The Arab Middle East in the Twentieth Century (4)  
 HIST 366 - Social and Cultural History of Modern China (4)  
 HIST 367 - History of the People's Republic of China (4)  
 HIST 368W - Selected Topics in the History of the Wider World (4)  
 HIST 371 - The Asia-Pacific War in Modern Japanese History (4)  
 HIST 417W - Problems in Modern French History (4)  
 HIST 419W - Problems in Modern Russian History (4)  
 HIST 420 - Themes in Russian Imperial History (4)  
 HIST 422 - Greece, 1935-1944: Occupation and Resistance (4)  
 HIST 457 - The Turkish Republic: Politics, Society, and Culture, 1918-Present (4)  
 HIST 458W - Problems in Latin American Regional History (4)  
 HIST 459W - Problems in the Political and Social History of Latin America (4)  
 HIST 464 - Problems in Modern Asian History (4)  
 HIST 465 - The Palestinian-Israeli Conflict (4)  
 HIST 467 - Modern Egypt (4)  
~~IS 302 – Introduction to Humanitarian Intervention (4)~~  
 IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)  
 IS 304 - Russian Foreign and Security Policies (4)  
 IS 305 - Challenging Power Around the Globe: Political Resistance and Protest (4)  
**IS 306 – State Failure and Reconstruction (4)**  
~~IS 307 – International Ethics: Poverty, Environmental Change, & War (4)~~  
~~IS 309 – Special Topics I (4)~~  
 IS 313W - Nationalism, Democracy and Development in Modern India (4)

IS 314 - National, Regional, and International Politics in Southeast Asia (4)  
 IS 315 - Introduction to Middle East Politics (4)  
~~IS 319 - Special Topics II (4)~~  
**IS 319 - Special Topics in Comparative World Politics, Culture and Society (4)**  
 IS 322 - Central Asia: Democracy, Development and Conflicts (4)  
 IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)  
~~IS 329 - Special Topics III (4)~~  
**IS 333 - Chinese Development and Its Discontents (4)**  
**IS 339 - Social Movements in the Global South (4)**  
~~IS 355 - Refugees and Forced Migration (4)~~  
~~IS 358 - Development, Aid and Difference in Historical Perspective (4)~~  
~~IS 409 - Special Topics I (4)~~  
 IS 410 - Politics, Institutions and Development (4)  
 IS 414 - Current Regional Issues in Southeast Asia (4)  
 IS 415 - Islamist Trend in Middle East Politics (4)  
 IS 419 - Special Topics II (4)  
~~IS 423 - International Development Practice and Ethics (4)~~  
 IS 427 - Globalization, Poverty and Inequality (4)  
~~IS 429 - Special Topics III (4)~~  
 IS 435 - Special Topics in Latin American Studies (4)  
 POL 310 - Identity Politics (4)  
 POL 339 - Selected Topics in Comparative Government and Politics (4)  
 POL 342 - Developing Countries in Global Politics (4)  
~~POL 346 - International Organization (4)~~  
 POL 374 - Africa in the Global Political Economy (4)  
 POL 381W - Japanese Politics (4)  
 POL 436 - Elections, Parties and Governments in Comparative Perspectives (4)  
 POL 438 - Selected Topics in Comparative Government and Politics I (4)  
 POL 439 - Selected Topics in Comparative Government and Politics II (4)  
 POL 470 - African Social and Political Thought (4)  
 SA 302W - Global Problems and the Culture of Capitalism (SA) (4)  
 SA 321 - Social Movements (S) (4)  
 SA 328 - States, Cultures and Global Transitions (SA) (4)  
 SA 330 - Global Islam (SA) (4)  
 SA 363 - Process of Development and Underdevelopment (SA) (4)  
 SA 365 - Selected Regional Areas (A) (4)  
 SA 388 - Comparative Studies of Minority Indigenous Peoples (A) (4)  
 SA 396 - Selected Regional Areas (SA) (4)  
~~SA 418 - Global Health: Humanitarian Encounters (A) (4)~~

International Development, Economic and Environmental Issues Concentration

ECON 342 - International Trade (3)  
 ECON 345 - International Finance (3)



ECON 355W - Economic Development (4)  
**ECON 372 – Economics of Globalization (4)**  
 GEOG 322 - World Resources (4)  
 GSWS 308 - Women in the Economy: Paid and Unpaid Labour (4)  
 GSWS 309 - Gender and International Development (4)  
 GSWS 312 - Immigrants, Women and Transnational Migration (4)  
 HIST 377 - Environmental History (4)  
 HIST 458W - Problems in Latin American Regional History (4)  
 HIST 459W - Problems in the Political and Social History of Latin America (4)  
**HSCI 308 Sickness and Wealth: Health in Global Perspective (4)**  
~~IS 302 – Introduction to Humanitarian Intervention (4)~~  
 IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)  
~~IS 305 – Challenging Power Around the Globe: Political Resistance and Protest (4)~~  
**IS 306 – State Failure and Reconstruction (4)**  
 IS 307 - International Ethics: Poverty, Environmental Change, & War (4)  
~~IS 309 – Special Topics I (4)~~  
 IS 313W - Nationalism, Democracy and Development in Modern India (4)  
 IS 314 - National, Regional, and International Politics in Southeast Asia (4)  
 IS 315 - Introduction to Middle East Politics (4)  
~~IS 319 – Special Topics II (4)~~  
 IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)  
~~IS 329 – Special Topics III (4)~~  
**IS 329 - Special Topics in International Development, Economic and Environmental Issues (4)**  
**IS 333 - Chinese Development and Its Discontents (4)**  
**IS 339 - Social Movements in the Global South (4)**  
 IS 355 - Refugees and Forced Migration (4)  
 IS 358 - Development, Aid and Difference in Historical Perspective (4)  
**IS 373 – Global Environmental Politics (4)**  
~~IS 409 – Special Topics I (4)~~  
 IS 410 - Politics, Institutions and Development (4)  
 IS 414 - Current Regional Issues in Southeast Asia (4)  
~~IS 419 – Special Topics II (4)~~  
 IS 421 - The Economics of International Organizations and Development (4)  
 IS 423 - International Development Practice and Ethics (4)  
 IS 427 - Globalization, Poverty and Inequality (4)  
 IS 429 - Special Topics III (4)  
 IS 435 - Special Topics in Latin American Studies (4)  
**IS 444 – Inside Diplomacy: A Practitioner’s Perspective (4)**  
 LBST 307 - Unfree Labour and Modern Slavery: Understanding Coercion and Exploitation in Contemporary Labour Markets (3)  
**LBST 312 – Global Labour Migration (3)**  
**LBST 328 – Labour Geographies (4)**  
 POL 342 - Developing Countries in Global Politics (4)



POL 343 - Global Political Economy (4)  
 POL 346 - International Organization (4)  
 POL 374 - Africa in the Global Political Economy (4)  
 POL 447 - Theories of Global Political Economy (4)  
 POL 452W - Energy Policy (4)  
**REM 454 – Water Security (4)**  
 SA 302W - Global Problems and the Culture of Capitalism (SA) (4)  
 SA 316 - Tourism and Social Policy (SA) (4)  
 SA 326 - Ecology and Social Thought (S) (4)  
 SA 328 - States, Cultures and Global Transitions (SA) (4)  
 SA 329 - Sex, Work, and International Capital (SA) (4)  
 SA 362 - Society and the Changing Global Division of Labour (S) (4)  
 SA 363 - Process of Development and Underdevelopment (SA) (4)  
~~SA 365 - Selected Regional Areas (A) (4)~~  
 SA 371 - The Environment and Society (SA) (4)  
 SA 388 - Comparative Studies of Minority Indigenous Peoples (A) (4)  
 SA 396 - Selected Regional Areas (SA) (4)  
 SA 418 - Global Health: Humanitarian Encounters (A) (4)

\*With the approval of the School for International Studies (please contact the IS advisor), 8 upper division units from courses not listed above with high international content may be considered for credit towards this plan.

## Calendar Entry Change School For International Studies

Rationale for change:

We are updating the list of courses in each of our three concentrations to reflect new course offerings and to further clarify the focus of each stream.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

International Studies Honours

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

International Studies Honours

Bachelor of Arts

The program is primarily for students with a background or interest in political science, history, economics, geography, sociology, anthropology, and humanities, as well as other areas. Students can specialize in international issues through a curriculum which integrates training and experience concerning the complex and challenging issues that are central to global affairs. Public or private sector employees who wish to specialize in specific dimensions that are necessary to understand and address international issues may also be interested in this program. This program is for those who wish to refine their discussion skills, and their expository writing and critical thought with an international context.

Program Declaration

The school limits admission to its honours program. Applicants must already be a declared IS major student, have completed 12 upper division IS units with a minimum CGPA of 3.4 and have identified a faculty supervisor.

Required Grades

Students must obtain C- or higher in all courses used toward the program. In addition, those admitted to the honours program must maintain a minimum 3.4 cumulative GPA.

~~Concurrent Bachelor's-Masters~~ **Accelerated Master's** Program

Students enrolled in the ~~concurrent degree~~ **accelerated master's** program may use up to a maximum of 10 graduate units of courses listed below towards the upper division level requirements of their bachelor's degree and towards the requirements of their master's degree.

IS 801 - Institutions, Policies and Development (4)  
 IS 806 - State Failure and Reconstruction: Comparative Perspectives (4)  
 IS 808 - Special Topics in Governance and Conflict (4)  
 IS 809 - Selected Topics - Economic and Social Development of Selected Regions (4)  
 IS 814 - Special Topics on the Middle East (4)  
 IS 815 - Theories of Latin American Development (4)  
 IS 835 - Social and Political Change in Latin America (4)

or other courses as may be recommended by the Graduate Program Committee of the School.

The following two core undergraduate courses cannot be substituted with graduate level courses:

~~IS 450W - Seminar on Global Problems in Interdisciplinary Perspective (4)~~  
**IS 350W - Seminar on Global Problems in Interdisciplinary Perspective (4)**  
 IS 451 - Seminar on Core Texts in International Studies (4)

#### Program Requirements

##### Lower Division Requirements

Students complete a minimum of 18 lower division units including

IS 101 - Global Challenges of the 21st Century: An Introduction to International Studies (3)

and lower division units from one of three concentrations:

International Security and Conflict  
 Comparative World Politics, Culture and Society  
 International Development, Economic and Environmental Issues

##### International Security and Conflict Concentration

Students complete

IS 200 - Security and Global Governance: Interdisciplinary Perspectives (3)

and one of



ECON 102 - The World Economy (3)  
ECON 105 - Principles of Macroeconomics (4)

and three of

IS 210 - Comparative World Politics: Trajectories, Regimes, Challenges (3)  
IS 220 - Wealth and Poverty of Nations (3)  
~~IS 230 - Transnationalism and Society (3)~~  
**IS 230 - Beyond the Nation-State: Identity and Belonging in a Globalized World (3)**  
IS 265 - Global History from the Revolutionary Age to the Present (3)

Comparative World Politics, Culture and Society Concentration

Students complete

IS 210 - Comparative World Politics: Trajectories, Regimes, Challenges (3)

and one of

ECON 102 - The World Economy (3)  
ECON 105 - Principles of Macroeconomics (4)

and three of

IS 200 - Security and Global Governance: Interdisciplinary Perspectives (3)  
IS 220 - Wealth and Poverty of Nations (3)  
~~IS 230 - Transnationalism and Society (3)~~  
**IS 230 - Beyond the Nation-State: Identity and Belonging in a Globalized World (3)**  
IS 265 - Global History from the Revolutionary Age to the Present (3)

International Development, Economic, and Environmental Issues Concentration

Students complete all of

ECON 103 - Principles of Microeconomics (4)  
ECON 105 - Principles of Macroeconomics (4)  
IS 220 - Wealth and Poverty of Nations (3)

and two of

IS 200 - Security and Global Governance: Interdisciplinary Perspectives (3)  
IS 210 - Comparative World Politics: Trajectories, Regimes, Challenges (3)  
~~IS 230 - Transnationalism and Society (3)~~

**IS 230 – Beyond the Nation-State: Identity and Belonging in a Globalized World (3)**

IS 265 - Global History from the Revolutionary Age to the Present (3)

Upper Division Requirements

Students complete 54 upper division units including all of

IS 300 - Research Methods in International Studies (4)

~~IS 450W - Seminar on Global Problems in Interdisciplinary Perspective (4)~~

**IS 350W - Seminar on Global Problems in Interdisciplinary Perspective (4)**

IS 451 - Seminar on Core Texts in International Studies (4)

IS 490 - Honours Seminar (5)

IS 499 - Honours Essay (5)

32 units are chosen from one of the three concentrations. At least 24 out of the 32 upper division concentration units must be completed from International Studies course offerings at SFU, **8 of which must be at the 400 level**. Up to a maximum of 8 upper division units may be chosen from non-IS course offerings.\*

International Security and Conflict Concentration

GSWS 433 - Gender, Violence, Resistance (4)

HIST 332 - Politics and Culture in Modern Germany (4)

HIST 335 - The Soviet Project (4)

HIST 338 - World War II (4)

HIST 350 - The Ottoman Empire and Turkey (4)

HIST 352 - Religion and Politics in Modern Iran (4)

HIST 354 - Imperialism and Modernity in the Middle East (4)

HIST 355 - The Arab Middle East in the Twentieth Century (4)

HIST 371 - The Asia-Pacific War in Modern Japanese History (4)

HIST 401 - Problems in Modern German History (4)

HIST 419W - Problems in Modern Russian History (4)

HIST 422 - Greece, 1935-1944: Occupation and Resistance (4)

HIST 445 - Problems in Modern Italian History (4)

HIST 456 - The Late Ottoman Empire: State, Culture and Social Transformation, 1750-1923 (4)

~~HIST 457 - The Turkish Republic: Politics, Society, and Culture, 1918-Present (4)~~

HIST 458W - Problems in Latin American Regional History (4)

HIST 459W - Problems in the Political and Social History of Latin America (4)

HIST 463W - Rebellion and Revolution: Topics in the Theory and Practice of Resistance (4)

~~HIST 464 - Problems in Modern Asian History (4)~~

HIST 465 - The Palestinian-Israeli Conflict (4)

HIST 467 - Modern Egypt (4)

~~IS 302 - Introduction to Humanitarian Intervention (4)~~

**IS 302 - Humanitarian Intervention: An Introduction (4)**

IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)

IS 304 - Russian Foreign and Security Policies (4)

~~IS 305 - Challenging Power Around the Globe: Political Resistance and Protest (4)~~

**IS 306 - State Failure and Reconstruction (4)**

IS 307 - International Ethics: Poverty, Environmental Change, & War (4)

~~IS 309 - Special Topics I (4)~~

**IS 309 - Special Topics in International Security and Conflict (4)**

~~IS 313W - Nationalism, Democracy and Development in Modern India (4)~~

IS 314 - National, Regional, and International Politics in Southeast Asia (4)

IS 315 - Introduction to Middle East Politics (4)

~~IS 319 - Special Topics II (4)~~

IS 322 - Central Asia: Democracy, Development and Conflicts (4)

IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)

~~IS 329 - Special Topics III (4)~~

IS 355 - Refugees and Forced Migration (4)

IS 409 - Special Topics I (4)

IS 414 - Current Regional Issues in Southeast Asia (4)

IS 415 - Islamist Trend in Middle East Politics (4)

~~IS 419 - Special Topics II (4)~~

~~IS 423 - International Development Practice and Ethics (4)~~

~~IS 429 - Special Topics III (4)~~

IS 435 - Special Topics in Latin American Studies (4)

**IS 444 - Inside Diplomacy: A Practitioner's Perspective (4)**

~~POL 315 - Intermediate Quantitative Methods (4)~~

POL 342 - Developing Countries in Global Politics (4)

POL 344 - International Law (4)

POL 346 - International Organization (4)

POL 348 - Theories of War, Peace and Conflict Resolution (4)

POL 349 - Selected Topics in International Relations (4)

POL 373 - Human Security (4)

POL 381W - Japanese Politics (4)

POL 417 - Human Rights Theories (4)

POL 422 - Canadian International Security Relations (4)

~~POL 434W - Nationalism and Ethnic Conflict (4)~~

POL 443 - Nuclear Strategy, Arms Control, and International Security (4)

POL 445W - American Foreign Policy (4)

POL 448 - Selected Topics in International Relations (4)

POL 449 - Selected Topics in International Relations II (4)

**REM 454 - Water Security (4)**

SA 330 - Global Islam (SA) (4)

Comparative World Politics, Culture and Society Concentration



GSWS 312 - Immigrants, Women and Transnational Migration (4)  
**HIST 314 – British and Irish Society since the Mid 18<sup>th</sup> Century (4)**  
**HIST 319 – Modern France (4)**  
**HIST 332 - Politics and Culture in Modern Germany (4)**  
**HIST 339 – The British Empire and Commonwealth (4)**  
HIST 335 - The Soviet Project (4)  
HIST 344 - Themes in Modern East Africa (4)  
HIST 348 - A History of Twentieth Century South Africa (4)  
HIST 350 - The Ottoman Empire and Turkey (4)  
HIST 352 - Religion and Politics in Modern Iran (4)  
HIST 354 - Imperialism and Modernity in the Middle East (4)  
HIST 355 - The Arab Middle East in the Twentieth Century (4)  
HIST 366 - Social and Cultural History of Modern China (4)  
HIST 367 - History of the People's Republic of China (4)  
HIST 368W - Selected Topics in the History of the Wider World (4)  
HIST 371 - The Asia-Pacific War in Modern Japanese History (4)  
HIST 417W - Problems in Modern French History (4)  
HIST 419W - Problems in Modern Russian History (4)  
HIST 420 - Themes in Russian Imperial History (4)  
HIST 422 - Greece, 1935-1944: Occupation and Resistance (4)  
HIST 457 - The Turkish Republic: Politics, Society, and Culture, 1918-Present (4)  
HIST 458W - Problems in Latin American Regional History (4)  
HIST 459W - Problems in the Political and Social History of Latin America (4)  
HIST 464 - Problems in Modern Asian History (4)  
HIST 465 - The Palestinian-Israeli Conflict (4)  
HIST 467 - Modern Egypt (4)  
~~IS 302 - Introduction to Humanitarian Intervention (4)~~  
IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)  
IS 304 - Russian Foreign and Security Policies (4)  
IS 305 - Challenging Power Around the Globe: Political Resistance and Protest (4)  
**IS 306 – State Failure and Reconstruction (4)**  
~~IS 307 - International Ethics: Poverty, Environmental Change, & War (4)~~  
~~IS 309 - Special Topics I (4)~~  
IS 313W - Nationalism, Democracy and Development in Modern India (4)  
IS 314 - National, Regional, and International Politics in Southeast Asia (4)  
IS 315 - Introduction to Middle East Politics (4)  
~~IS 319 - Special Topics II (4)~~  
**IS 319 – Special Topics in Comparative World Politics, Culture and Society (4)**  
IS 322 - Central Asia: Democracy, Development and Conflicts (4)  
IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)  
~~IS 329 - Special Topics III (4)~~  
**IS 333 - Chinese Development and Its Discontents (4)**  
**IS 339 - Social Movements in the Global South (4)**  
~~IS 355 - Refugees and Forced Migration (4)~~

~~IS 358 - Development, Aid and Difference in Historical Perspective (4)~~  
~~IS 409 - Special Topics I (4)~~  
 IS 410 - Politics, Institutions and Development (4)  
 IS 414 - Current Regional Issues in Southeast Asia (4)  
 IS 415 - Islamist Trend in Middle East Politics (4)  
 IS 419 - Special Topics II (4)  
~~IS 423 - International Development Practice and Ethics (4)~~  
 IS 427 - Globalization, Poverty and Inequality (4)  
~~IS 429 - Special Topics III (4)~~  
 IS 435 - Special Topics in Latin American Studies (4)  
 POL 310 - Identity Politics (4)  
 POL 339 - Selected Topics in Comparative Government and Politics (4)  
 POL 342 - Developing Countries in Global Politics (4)  
~~POL 346 - International Organization (4)~~  
 POL 374 - Africa in the Global Political Economy (4)  
 POL 381W - Japanese Politics (4)  
 POL 436 - Elections, Parties and Governments in Comparative Perspectives (4)  
 POL 438 - Selected Topics in Comparative Government and Politics I (4)  
 POL 439 - Selected Topics in Comparative Government and Politics II (4)  
 POL 470 - African Social and Political Thought (4)  
 SA 302W - Global Problems and the Culture of Capitalism (SA) (4)  
 SA 321 - Social Movements (S) (4)  
 SA 328 - States, Cultures and Global Transitions (SA) (4)  
 SA 330 - Global Islam (SA) (4)  
 SA 363 - Process of Development and Underdevelopment (SA) (4)  
 SA 365 - Selected Regional Areas (A) (4)  
 SA 388 - Comparative Studies of Minority Indigenous Peoples (A) (4)  
 SA 396 - Selected Regional Areas (SA) (4)  
~~SA 418 - Global Health: Humanitarian Encounters (A) (4)~~

International Development, Economic and Environmental Issues Concentration

ECON 342 - International Trade (3)  
 ECON 345 - International Finance (3)  
 ECON 355W - Economic Development (4)  
**ECON 372 - Economics of Globalization (4)**  
 GEOG 322 - World Resources (4)  
 GSWS 308 - Women in the Economy: Paid and Unpaid Labour (4)  
 GSWS 309 - Gender and International Development (4)  
 GSWS 312 - Immigrants, Women and Transnational Migration (4)  
 HIST 377 - Environmental History (4)  
 HIST 458W - Problems in Latin American Regional History (4)  
 HIST 459W - Problems in the Political and Social History of Latin America (4)  
**HSCI 308 Sickness and Wealth: Health in Global Perspective (4)**



<del>IS 302 - Introduction to Humanitarian Intervention (4)</del>
IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)
<del>IS 305 - Challenging Power Around the Globe: Political Resistance and Protest (4)</del>
<b>IS 306 - State Failure and Reconstruction (4)</b>
IS 307 - International Ethics: Poverty, Environmental Change, & War (4)
<del>IS 309 - Special Topics I (4)</del>
IS 313W - Nationalism, Democracy and Development in Modern India (4)
IS 314 - National, Regional, and International Politics in Southeast Asia (4)
IS 315 - Introduction to Middle East Politics (4)
<del>IS 319 - Special Topics II (4)</del>
IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)
<del>IS 329 - Special Topics III (4)</del>
<b>IS 329 - Special Topics in International Development, Economic and Environmental Issues (4)</b>
<b>IS 333 - Chinese Development and Its Discontents (4)</b>
<b>IS 339 - Social Movements in the Global South (4)</b>
IS 355 - Refugees and Forced Migration (4)
IS 358 - Development, Aid and Difference in Historical Perspective (4)
<b>IS 373 - Global Environmental Politics (4)</b>
<del>IS 409 - Special Topics I (4)</del>
IS 410 - Politics, Institutions and Development (4)
IS 414 - Current Regional Issues in Southeast Asia (4)
<del>IS 419 - Special Topics II (4)</del>
IS 421 - The Economics of International Organizations and Development (4)
IS 423 - International Development Practice and Ethics (4)
IS 427 - Globalization, Poverty and Inequality (4)
IS 429 - Special Topics III (4)
IS 435 - Special Topics in Latin American Studies (4)
<b>IS 444 - Inside Diplomacy: A Practitioner's Perspective (4)</b>
LBST 307 - Unfree Labour and Modern Slavery: Understanding Coercion and Exploitation in Contemporary Labour Markets (3)
<b>LBST 312 - Global Labour Migration (3)</b>
<b>LBST 328 - Labour Geographies (4)</b>
POL 342 - Developing Countries in Global Politics (4)
POL 343 - Global Political Economy (4)
POL 346 - International Organization (4)
POL 374 - Africa in the Global Political Economy (4)
POL 447 - Theories of Global Political Economy (4)
POL 452W - Energy Policy (4)
<b>REM 454 - Water Security (4)</b>
SA 302W - Global Problems and the Culture of Capitalism (SA) (4)
SA 316 - Tourism and Social Policy (SA) (4)
SA 326 - Ecology and Social Thought (S) (4)
SA 328 - States, Cultures and Global Transitions (SA) (4)



SA 329 - Sex, Work, and International Capital (SA) (4)  
 SA 362 - Society and the Changing Global Division of Labour (S) (4)  
 SA 363 - Process of Development and Underdevelopment (SA) (4)  
~~SA 365 - Selected Regional Areas (A) (4)~~  
 SA 371 - The Environment and Society (SA) (4)  
 SA 388 - Comparative Studies of Minority Indigenous Peoples (A) (4)  
 SA 396 - Selected Regional Areas (SA) (4)  
 SA 418 - Global Health: Humanitarian Encounters (A) (4)

\*With the approval of the School for International Studies (please contact the IS advisor), 8 upper division units from courses not listed above with high international content may be considered for credit towards this plan.



**Calendar Entry Change**  
**School For International Studies**

Rationale for change:

We are updating the list of courses in each of our three concentrations to reflect new course offerings and to further clarify the focus of each stream.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

World Literature and International Studies Joint Major

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

World Literature and International Studies Joint Major

Bachelor of Arts

This inter-departmental program explores various relationships between world literature and international studies. Interested students must plan their program in consultation with both department advisors, and should consult guidelines for course selection which are available from each department.

Required Grades

Students must obtain C- or higher in all courses used toward the program.

Program Requirements

Lower Division Requirements

World Literature

Students complete a total of 15 units, including

WL 100 - What is World Literature? (3)

one 100-level WL Writing course

and

WL 200 - How to Do Things with World Literature (3)

plus 6 additional lower division WL units.

\*Students may count one 2nd year language course (3 units) toward their lower division WL units.

International Studies

Students complete 15 lower division units including

IS 101 - Global Challenges of the 21st Century: An Introduction to International Studies (3)

plus a minimum of 12 lower division units chosen from one of three concentrations.

International Security and Conflict Concentration

IS 200 - Security and Global Governance: Interdisciplinary Perspectives (3)

plus three of

IS 210 - Comparative World Politics: Trajectories, Regimes, Challenges (3)

IS 220 - Wealth and Poverty of Nations (3)

~~IS 230 - Transnationalism and Society (3)~~

**IS 230 - Beyond the Nation-State: Identity and Belonging in a Globalized World (3)**

IS 265 - Global History from the Revolutionary Age to the Present (3)

Comparative World Politics, Culture and Society Concentration

IS 210 - Comparative World Politics: Trajectories, Regimes, Challenges (3)

plus three of

IS 200 - Security and Global Governance: Interdisciplinary Perspectives (3)

IS 220 - Wealth and Poverty of Nations (3)

~~IS 230 - Transnationalism and Society (3)~~

**IS 230 - Beyond the Nation-State: Identity and Belonging in a Globalized World (3)**

IS 265 - Global History from the Revolutionary Age to the Present (3)

International Development, Economic, and Environmental Issues Concentration

ECON 105 - Principles of Macroeconomics (4)

IS 220 - Wealth and Poverty of Nations (3)



plus two of

ECON 103 - Principles of Microeconomics (4)

GEOG 221 - Economic Worlds (3)

IS 200 - Security and Global Governance: Interdisciplinary Perspectives (3)

IS 210 - Comparative World Politics: Trajectories, Regimes, Challenges (3)

~~IS 230 - Transnationalism and Society (3)~~

**IS 230 - Beyond the Nation-State: Identity and Belonging in a Globalized World (3)**

265 - Global History from the Revolutionary Age to the Present (3)

Upper Division Requirements

World Literature

Students complete a minimum of 20 upper division WL units including both of

WL 300 - How Ideas Travel (4)

WL 301W - Writing and Research (3)

plus 13 additional upper division WL units, of which at least 4 must be taken at the 400 level

International Studies

Students complete 24 upper division units including

IS 300 - Research Methods in International Studies (4)

IS 451 - Seminar on Core Texts in International Studies (4)

The remaining 16 units are chosen from one of the three concentrations. At least 12 out of the 16 upper division concentration units must be completed from International Studies course offerings at SFU. Up to a maximum of 4 upper division units may be chosen from non-IS course offerings.\*

International Security and Conflict Concentration

GSWS 433 - Gender, Violence, Resistance (4)

HIST 332 - Politics and Culture in Modern Germany (4)

HIST 335 - The Soviet Project (4)

HIST 338 - World War II (4)

HIST 350 - The Ottoman Empire and Turkey (4)

HIST 352 - Religion and Politics in Modern Iran (4)

HIST 354 - Imperialism and Modernity in the Middle East (4)

HIST 355 - The Arab Middle East in the Twentieth Century (4)

HIST 371 - The Asia-Pacific War in Modern Japanese History (4)
HIST 401 - Problems in Modern German History (4)
HIST 419W - Problems in Modern Russian History (4)
HIST 422 - Greece, 1935-1944: Occupation and Resistance (4)
HIST 445 - Problems in Modern Italian History (4)
HIST 456 - The Late Ottoman Empire: State, Culture and Social Transformation, 1750-1923 (4)
<del>HIST 457 - The Turkish Republic: Politics, Society, and Culture, 1918-Present (4)</del>
HIST 458W - Problems in Latin American Regional History (4)
HIST 459W - Problems in the Political and Social History of Latin America (4)
HIST 463W - Rebellion and Revolution: Topics in the Theory and Practice of Resistance (4)
<del>HIST 464 - Problems in Modern Asian History (4)</del>
HIST 465 - The Palestinian-Israeli Conflict (4)
HIST 467 - Modern Egypt (4)
<del>IS 302 - Introduction to Humanitarian Intervention (4)</del>
<b>IS 302 - Humanitarian Intervention: An Introduction (4)</b>
IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)
IS 304 - Russian Foreign and Security Policies (4)
<del>IS 305 - Challenging Power Around the Globe: Political Resistance and Protest (4)</del>
<b>IS 306 - State Failure and Reconstruction (4)</b>
IS 307 - International Ethics: Poverty, Environmental Change, & War (4)
<del>IS 309 - Special Topics I (4)</del>
<b>IS 309 - Special Topics in International Security and Conflict (4)</b>
<del>IS 313W - Nationalism, Democracy and Development in Modern India (4)</del>
IS 314 - National, Regional, and International Politics in Southeast Asia (4)
IS 315 - Introduction to Middle East Politics (4)
<del>IS 319 - Special Topics II (4)</del>
IS 322 - Central Asia: Democracy, Development and Conflicts (4)
IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)
<del>IS 329 - Special Topics III (4)</del>
IS 355 - Refugees and Forced Migration (4)
IS 409 - Special Topics I (4)
IS 414 - Current Regional Issues in Southeast Asia (4)
IS 415 - Islamist Trend in Middle East Politics (4)
<del>IS 419 - Special Topics II (4)</del>
<del>IS 423 - International Development Practice and Ethics (4)</del>
<del>IS 429 - Special Topics III (4)</del>
IS 435 - Special Topics in Latin American Studies (4)
<b>IS 444 - Inside Diplomacy: A Practitioner's Perspective (4)</b>
<del>POL 315 - Intermediate Quantitative Methods (4)</del>
POL 342 - Developing Countries in Global Politics (4)
POL 344 - International Law (4)
POL 346 - International Organization (4)
POL 348 - Theories of War, Peace and Conflict Resolution (4)

POL 349 - Selected Topics in International Relations (4)  
 POL 373 - Human Security (4)  
 POL 381W - Japanese Politics (4)  
 POL 417 - Human Rights Theories (4)  
 POL 422 - Canadian International Security Relations (4)  
~~POL 434W - Nationalism and Ethnic Conflict (4)~~  
 POL 443 - Nuclear Strategy, Arms Control, and International Security (4)  
 POL 445W - American Foreign Policy (4)  
 POL 448 - Selected Topics in International Relations (4)  
 POL 449 - Selected Topics in International Relations II (4)  
**REM 454 - Water Security (4)**  
 SA 330 - Global Islam (SA) (4)

Comparative World Politics, Culture and Society Concentration

GSWS 312 - Immigrants, Women and Transnational Migration (4)  
**HIST 314 - British and Irish Society since the Mid 18<sup>th</sup> Century (4)**  
**HIST 319 - Modern France (4)**  
**HIST 332 - Politics and Culture in Modern Germany (4)**  
**HIST 339 - The British Empire and Commonwealth (4)**  
 HIST 335 - The Soviet Project (4)  
 HIST 344 - Themes in Modern East Africa (4)  
 HIST 348 - A History of Twentieth Century South Africa (4)  
 HIST 350 - The Ottoman Empire and Turkey (4)  
 HIST 352 - Religion and Politics in Modern Iran (4)  
 HIST 354 - Imperialism and Modernity in the Middle East (4)  
 HIST 355 - The Arab Middle East in the Twentieth Century (4)  
 HIST 366 - Social and Cultural History of Modern China (4)  
 HIST 367 - History of the People's Republic of China (4)  
 HIST 368W - Selected Topics in the History of the Wider World (4)  
 HIST 371 - The Asia-Pacific War in Modern Japanese History (4)  
 HIST 417W - Problems in Modern French History (4)  
 HIST 419W - Problems in Modern Russian History (4)  
 HIST 420 - Themes in Russian Imperial History (4)  
 HIST 422 - Greece, 1935-1944: Occupation and Resistance (4)  
 HIST 457 - The Turkish Republic: Politics, Society, and Culture, 1918-Present (4)  
 HIST 458W - Problems in Latin American Regional History (4)  
 HIST 459W - Problems in the Political and Social History of Latin America (4)  
 HIST 464 - Problems in Modern Asian History (4)  
 HIST 465 - The Palestinian-Israeli Conflict (4)  
 HIST 467 - Modern Egypt (4)  
~~IS 302 - Introduction to Humanitarian Intervention (4)~~  
 IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)  
 IS 304 - Russian Foreign and Security Policies (4)



IS 305 - Challenging Power Around the Globe: Political Resistance and Protest (4)  
**IS 306 – State Failure and Reconstruction (4)**  
~~IS 307 – International Ethics: Poverty, Environmental Change, & War (4)~~  
~~IS 309 – Special Topics I (4)~~  
 IS 313W - Nationalism, Democracy and Development in Modern India (4)  
 IS 314 - National, Regional, and International Politics in Southeast Asia (4)  
 IS 315 - Introduction to Middle East Politics (4)  
~~IS 319 – Special Topics II (4)~~  
**IS 319 – Special Topics in Comparative World Politics, Culture and Society (4)**  
 IS 322 - Central Asia: Democracy, Development and Conflicts (4)  
 IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)  
~~IS 329 – Special Topics III (4)~~  
**IS 333 - Chinese Development and Its Discontents (4)**  
**IS 339 - Social Movements in the Global South (4)**  
~~IS 355 – Refugees and Forced Migration (4)~~  
~~IS 358 – Development, Aid and Difference in Historical Perspective (4)~~  
~~IS 409 – Special Topics I (4)~~  
 IS 410 - Politics, Institutions and Development (4)  
 IS 414 - Current Regional Issues in Southeast Asia (4)  
 IS 415 - Islamist Trend in Middle East Politics (4)  
 IS 419 - Special Topics II (4)  
~~IS 423 – International Development Practice and Ethics (4)~~  
 IS 427 - Globalization, Poverty and Inequality (4)  
~~IS 429 – Special Topics III (4)~~  
 IS 435 - Special Topics in Latin American Studies (4)  
 POL 310 - Identity Politics (4)  
 POL 339 - Selected Topics in Comparative Government and Politics (4)  
 POL 342 - Developing Countries in Global Politics (4)  
~~POL 346 – International Organization (4)~~  
 POL 374 - Africa in the Global Political Economy (4)  
 POL 381W - Japanese Politics (4)  
 POL 436 - Elections, Parties and Governments in Comparative Perspectives (4)  
 POL 438 - Selected Topics in Comparative Government and Politics I (4)  
 POL 439 - Selected Topics in Comparative Government and Politics II (4)  
 POL 470 - African Social and Political Thought (4)  
 SA 302W - Global Problems and the Culture of Capitalism (SA) (4)  
 SA 321 - Social Movements (S) (4)  
 SA 328 - States, Cultures and Global Transitions (SA) (4)  
 SA 330 - Global Islam (SA) (4)  
 SA 363 - Process of Development and Underdevelopment (SA) (4)  
 SA 365 - Selected Regional Areas (A) (4)  
 SA 388 - Comparative Studies of Minority Indigenous Peoples (A) (4)  
 SA 396 - Selected Regional Areas (SA) (4)  
~~SA 418 – Global Health: Humanitarian Encounters (A) (4)~~

International Development, Economic and Environmental Issues Concentration

ECON 342 - International Trade (3)

ECON 345 - International Finance (3)

ECON 355W - Economic Development (4)

**ECON 372 – Economics of Globalization (4)**

GEOG 322 - World Resources (4)

GSWS 308 - Women in the Economy: Paid and Unpaid Labour (4)

GSWS 309 - Gender and International Development (4)

GSWS 312 - Immigrants, Women and Transnational Migration (4)

HIST 377 - Environmental History (4)

HIST 458W - Problems in Latin American Regional History (4)

HIST 459W - Problems in the Political and Social History of Latin America (4)

**HSCI 308 Sickness and Wealth: Health in Global Perspective (4)**

~~IS 302 - Introduction to Humanitarian Intervention (4)~~

IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)

~~IS 305 - Challenging Power Around the Globe: Political Resistance and Protest (4)~~

**IS 306 – State Failure and Reconstruction (4)**

IS 307 - International Ethics: Poverty, Environmental Change, & War (4)

~~IS 309 - Special Topics I (4)~~

IS 313W - Nationalism, Democracy and Development in Modern India (4)

IS 314 - National, Regional, and International Politics in Southeast Asia (4)

IS 315 - Introduction to Middle East Politics (4)

~~IS 319 - Special Topics II (4)~~

IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)

~~IS 329 - Special Topics III (4)~~

**IS 329 - Special Topics in International Development, Economic and Environmental Issues (4)**

**IS 333 - Chinese Development and Its Discontents (4)**

**IS 339 - Social Movements in the Global South (4)**

IS 355 - Refugees and Forced Migration (4)

IS 358 - Development, Aid and Difference in Historical Perspective (4)

**IS 373 – Global Environmental Politics (4)**

~~IS 409 - Special Topics I (4)~~

IS 410 - Politics, Institutions and Development (4)

IS 414 - Current Regional Issues in Southeast Asia (4)

~~IS 419 - Special Topics II (4)~~

IS 421 - The Economics of International Organizations and Development (4)

IS 423 - International Development Practice and Ethics (4)

IS 427 - Globalization, Poverty and Inequality (4)

IS 429 - Special Topics III (4)

IS 435 - Special Topics in Latin American Studies (4)

**IS 444 – Inside Diplomacy: A Practitioner’s Perspective (4)**

LBST 307 - Unfree Labour and Modern Slavery: Understanding Coercion and Exploitation in Contemporary Labour Markets (3)

**LBST 312 – Global Labour Migration (3)**

**LBST 328 – Labour Geographies (4)**

POL 342 - Developing Countries in Global Politics (4)

POL 343 - Global Political Economy (4)

POL 346 - International Organization (4)

POL 374 - Africa in the Global Political Economy (4)

POL 447 - Theories of Global Political Economy (4)

POL 452W - Energy Policy (4)

**REM 454 – Water Security (4)**

SA 302W - Global Problems and the Culture of Capitalism (SA) (4)

SA 316 - Tourism and Social Policy (SA) (4)

SA 326 - Ecology and Social Thought (S) (4)

SA 328 - States, Cultures and Global Transitions (SA) (4)

SA 329 - Sex, Work, and International Capital (SA) (4)

SA 362 - Society and the Changing Global Division of Labour (S) (4)

SA 363 - Process of Development and Underdevelopment (SA) (4)

~~SA 365 - Selected Regional Areas (A) (4)~~

SA 371 - The Environment and Society (SA) (4)

SA 388 - Comparative Studies of Minority Indigenous Peoples (A) (4)

SA 396 - Selected Regional Areas (SA) (4)

SA 418 - Global Health: Humanitarian Encounters (A) (4)

\*With the approval of the School for International Studies (please contact the IS advisor), 4 upper division units from courses not listed above with high international content may be considered for credit towards this plan.





**Calendar Entry Change  
School For International Studies**

Rationale for change:

We are updating the list of courses in each of our three concentrations to reflect new course offerings and to further clarify the focus of each stream.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

International Studies Minor

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

International Studies Minor

The program is primarily for students with a background or interest in political science, history, economics, geography, sociology, anthropology, and humanities, as well as other areas. Students can specialize in international issues through a curriculum which integrates training and experience concerning the complex and challenging issues that are central to global affairs. Public or private sector employees who wish to specialize in specific dimensions that are necessary to understand and address international issues may also be interested in this program.

Program Declaration

Students can apply to declare their minor after completing the program's lower division requirements and meeting the posted CGPA requirement on the international studies website.

Required Grades

Students must obtain C- or higher in all courses used toward the program.

Program Requirements

### Lower Division Requirements

Students complete a minimum total of 12 units including

IS 101 - Global Challenges of the 21st Century: An Introduction to International Studies (3)

and one of

ECON 102 - The World Economy (3)

ECON 105 - Principles of Macroeconomics (4)

and two of

IS 200 - Security and Global Governance: Interdisciplinary Perspectives (3) \*

IS 210 - Comparative World Politics: Trajectories, Regimes, Challenges (3) \*\*

IS 220 - Wealth and Poverty of Nations (3) \*\*\*

IS 230 - Transnationalism and Society (3)

**IS 230 - Beyond the Nation-State: Identity and Belonging in a Globalized World (3)**

IS 265 - Global History from the Revolutionary Age to the Present (3)

\* required for students completing the International Security and Conflict concentration

\*\* required for students completing the Comparative World Politics, Culture and Society concentration

\*\*\* required for students completing the International Development, Economic and Environmental Issues concentration

### Upper Division Requirements

Students complete 16 upper division units from one of the three concentrations. At least 12 out of the 16 upper division concentration units must be completed from International Studies course offerings at SFU. Up to a maximum of 4 upper division units may be chosen from non-IS course offerings.\*

### Concentrations

Students complete upper and lower division requirements in each concentration. No more than two of the required upper division courses can be fulfilled with courses from any one department, except the School for International Studies. As well, the advisor may approve selected international field school or exchange courses for credit toward a concentration when the topic is appropriate. It is the student's responsibility to ensure that all prerequisites are met for upper division requirements.

### International Security and Conflict Concentration

GSWS 433 - Gender, Violence, Resistance (4)

HIST 332 - Politics and Culture in Modern Germany (4)
HIST 335 - The Soviet Project (4)
HIST 338 - World War II (4)
HIST 350 - The Ottoman Empire and Turkey (4)
HIST 352 - Religion and Politics in Modern Iran (4)
HIST 354 - Imperialism and Modernity in the Middle East (4)
HIST 355 - The Arab Middle East in the Twentieth Century (4)
HIST 371 - The Asia-Pacific War in Modern Japanese History (4)
HIST 401 - Problems in Modern German History (4)
HIST 419W - Problems in Modern Russian History (4)
HIST 422 - Greece, 1935-1944: Occupation and Resistance (4)
HIST 445 - Problems in Modern Italian History (4)
HIST 456 - The Late Ottoman Empire: State, Culture and Social Transformation, 1750-1923 (4)
<del>HIST 457 - The Turkish Republic: Politics, Society, and Culture, 1918-Present (4)</del>
HIST 458W - Problems in Latin American Regional History (4)
HIST 459W - Problems in the Political and Social History of Latin America (4)
HIST 463W - Rebellion and Revolution: Topics in the Theory and Practice of Resistance (4)
<del>HIST 464 - Problems in Modern Asian History (4)</del>
HIST 465 - The Palestinian-Israeli Conflict (4)
HIST 467 - Modern Egypt (4)
<del>IS 302 - Introduction to Humanitarian Intervention (4)</del>
<b>IS 302 - Humanitarian Intervention: An Introduction (4)</b>
IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)
IS 304 - Russian Foreign and Security Policies (4)
<del>IS 305 - Challenging Power Around the Globe: Political Resistance and Protest (4)</del>
<b>IS 306 - State Failure and Reconstruction (4)</b>
IS 307 - International Ethics: Poverty, Environmental Change, & War (4)
<del>IS 309 - Special Topics I (4)</del>
<b>IS 309 - Special Topics in International Security and Conflict (4)</b>
<del>IS 313W - Nationalism, Democracy and Development in Modern India (4)</del>
IS 314 - National, Regional, and International Politics in Southeast Asia (4)
IS 315 - Introduction to Middle East Politics (4)
<del>IS 319 - Special Topics II (4)</del>
IS 322 - Central Asia: Democracy, Development and Conflicts (4)
IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)
<del>IS 329 - Special Topics III (4)</del>
IS 355 - Refugees and Forced Migration (4)
IS 409 - Special Topics I (4)
IS 414 - Current Regional Issues in Southeast Asia (4)
IS 415 - Islamist Trend in Middle East Politics (4)
<del>IS 419 - Special Topics II (4)</del>
<del>IS 423 - International Development Practice and Ethics (4)</del>
<del>IS 429 - Special Topics III (4)</del>



IS 435 - Special Topics in Latin American Studies (4)  
**IS 444 – Inside Diplomacy: A Practitioner’s Perspective (4)**  
~~POL 315 – Intermediate Quantitative Methods (4)~~  
 POL 342 - Developing Countries in Global Politics (4)  
 POL 344 - International Law (4)  
 POL 346 - International Organization (4)  
 POL 348 - Theories of War, Peace and Conflict Resolution (4)  
 POL 349 - Selected Topics in International Relations (4)  
 POL 373 - Human Security (4)  
 POL 381W - Japanese Politics (4)  
 POL 417 - Human Rights Theories (4)  
 POL 422 - Canadian International Security Relations (4)  
~~POL 434W – Nationalism and Ethnic Conflict (4)~~  
 POL 443 - Nuclear Strategy, Arms Control, and International Security (4)  
 POL 445W - American Foreign Policy (4)  
 POL 448 - Selected Topics in International Relations (4)  
 POL 449 - Selected Topics in International Relations II (4)  
**REM 454 – Water Security (4)**  
 SA 330 - Global Islam (SA) (4)

Comparative World Politics, Culture and Society Concentration

GSWS 312 - Immigrants, Women and Transnational Migration (4)  
**HIST 314 – British and Irish Society since the Mid 18<sup>th</sup> Century (4)**  
**HIST 319 – Modern France (4)**  
**HIST 332 - Politics and Culture in Modern Germany (4)**  
**HIST 339 – The British Empire and Commonwealth (4)**  
 HIST 335 - The Soviet Project (4)  
 HIST 344 - Themes in Modern East Africa (4)  
 HIST 348 - A History of Twentieth Century South Africa (4)  
 HIST 350 - The Ottoman Empire and Turkey (4)  
 HIST 352 - Religion and Politics in Modern Iran (4)  
 HIST 354 - Imperialism and Modernity in the Middle East (4)  
 HIST 355 - The Arab Middle East in the Twentieth Century (4)  
 HIST 366 - Social and Cultural History of Modern China (4)  
 HIST 367 - History of the People's Republic of China (4)  
 HIST 368W - Selected Topics in the History of the Wider World (4)  
 HIST 371 - The Asia-Pacific War in Modern Japanese History (4)  
 HIST 417W - Problems in Modern French History (4)  
 HIST 419W - Problems in Modern Russian History (4)  
 HIST 420 - Themes in Russian Imperial History (4)  
 HIST 422 - Greece, 1935-1944: Occupation and Resistance (4)  
 HIST 457 - The Turkish Republic: Politics, Society, and Culture, 1918-Present (4)  
 HIST 458W - Problems in Latin American Regional History (4)

HIST 459W - Problems in the Political and Social History of Latin America (4)  
 HIST 464 - Problems in Modern Asian History (4)  
 HIST 465 - The Palestinian-Israeli Conflict (4)  
 HIST 467 - Modern Egypt (4)  
~~IS 302 - Introduction to Humanitarian Intervention (4)~~  
 IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)  
 IS 304 - Russian Foreign and Security Policies (4)  
 IS 305 - Challenging Power Around the Globe: Political Resistance and Protest (4)  
**IS 306 – State Failure and Reconstruction (4)**  
~~IS 307 - International Ethics: Poverty, Environmental Change, & War (4)~~  
~~IS 309 - Special Topics I (4)~~  
 IS 313W - Nationalism, Democracy and Development in Modern India (4)  
 IS 314 - National, Regional, and International Politics in Southeast Asia (4)  
 IS 315 - Introduction to Middle East Politics (4)  
~~IS 319 - Special Topics II (4)~~  
**IS 319 – Special Topics in Comparative World Politics, Culture and Society (4)**  
 IS 322 - Central Asia: Democracy, Development and Conflicts (4)  
 IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)  
~~IS 329 - Special Topics III (4)~~  
**IS 333 - Chinese Development and Its Discontents (4)**  
**IS 339 - Social Movements in the Global South (4)**  
~~IS 355 - Refugees and Forced Migration (4)~~  
~~IS 358 - Development, Aid and Difference in Historical Perspective (4)~~  
~~IS 409 - Special Topics I (4)~~  
 IS 410 - Politics, Institutions and Development (4)  
 IS 414 - Current Regional Issues in Southeast Asia (4)  
 IS 415 - Islamist Trend in Middle East Politics (4)  
 IS 419 - Special Topics II (4)  
~~IS 423 - International Development Practice and Ethics (4)~~  
 IS 427 - Globalization, Poverty and Inequality (4)  
~~IS 429 - Special Topics III (4)~~  
 IS 435 - Special Topics in Latin American Studies (4)  
 POL 310 - Identity Politics (4)  
 POL 339 - Selected Topics in Comparative Government and Politics (4)  
 POL 342 - Developing Countries in Global Politics (4)  
~~POL 346 - International Organization (4)~~  
 POL 374 - Africa in the Global Political Economy (4)  
 POL 381W - Japanese Politics (4)  
 POL 436 - Elections, Parties and Governments in Comparative Perspectives (4)  
 POL 438 - Selected Topics in Comparative Government and Politics I (4)  
 POL 439 - Selected Topics in Comparative Government and Politics II (4)  
 POL 470 - African Social and Political Thought (4)  
 SA 302W - Global Problems and the Culture of Capitalism (SA) (4)  
 SA 321 - Social Movements (S) (4)



SA 328 - States, Cultures and Global Transitions (SA) (4)  
 SA 330 - Global Islam (SA) (4)  
 SA 363 - Process of Development and Underdevelopment (SA) (4)  
 SA 365 - Selected Regional Areas (A) (4)  
 SA 388 - Comparative Studies of Minority Indigenous Peoples (A) (4)  
 SA 396 - Selected Regional Areas (SA) (4)  
~~SA 418 - Global Health: Humanitarian Encounters (A) (4)~~

International Development, Economic and Environmental Issues Concentration

ECON 342 - International Trade (3)  
 ECON 345 - International Finance (3)  
 ECON 355W - Economic Development (4)  
**ECON 372 – Economics of Globalization (4)**  
 GEOG 322 - World Resources (4)  
 GSWS 308 - Women in the Economy: Paid and Unpaid Labour (4)  
 GSWS 309 - Gender and International Development (4)  
 GSWS 312 - Immigrants, Women and Transnational Migration (4)  
 HIST 377 - Environmental History (4)  
 HIST 458W - Problems in Latin American Regional History (4)  
 HIST 459W - Problems in the Political and Social History of Latin America (4)  
**HSCI 308 Sickness and Wealth: Health in Global Perspective (4)**  
~~IS 302 - Introduction to Humanitarian Intervention (4)~~  
 IS 303 - Ethnic Minorities, Identity Politics, and Conflict in Southeast Asia (4)  
~~IS 305 - Challenging Power Around the Globe: Political Resistance and Protest (4)~~  
**IS 306 – State Failure and Reconstruction (4)**  
 IS 307 - International Ethics: Poverty, Environmental Change, & War (4)  
~~IS 309 - Special Topics I (4)~~  
 IS 313W - Nationalism, Democracy and Development in Modern India (4)  
 IS 314 - National, Regional, and International Politics in Southeast Asia (4)  
 IS 315 - Introduction to Middle East Politics (4)  
~~IS 319 - Special Topics II (4)~~  
 IS 323 - Sub-Saharan Africa: Key Issues and Understandings (4)  
~~IS 329 - Special Topics III (4)~~  
**IS 329 - Special Topics in International Development, Economic and Environmental Issues (4)**  
**IS 333 - Chinese Development and Its Discontents (4)**  
**IS 339 - Social Movements in the Global South (4)**  
 IS 355 - Refugees and Forced Migration (4)  
 IS 358 - Development, Aid and Difference in Historical Perspective (4)  
**IS 373 – Global Environmental Politics (4)**  
~~IS 409 - Special Topics I (4)~~  
 IS 410 - Politics, Institutions and Development (4)  
 IS 414 - Current Regional Issues in Southeast Asia (4)



IS 419 - Special Topics II (4)  
 IS 421 - The Economics of International Organizations and Development (4)  
 IS 423 - International Development Practice and Ethics (4)  
 IS 427 - Globalization, Poverty and Inequality (4)  
 IS 429 - Special Topics III (4)  
 IS 435 - Special Topics in Latin American Studies (4)  
**IS 444 - Inside Diplomacy: A Practitioner's Perspective (4)**  
 LBST 307 - Unfree Labour and Modern Slavery: Understanding Coercion and Exploitation in Contemporary Labour Markets (3)  
**LBST 312 - Global Labour Migration (3)**  
**LBST 328 - Labour Geographies (4)**  
 POL 342 - Developing Countries in Global Politics (4)  
 POL 343 - Global Political Economy (4)  
 POL 346 - International Organization (4)  
 POL 374 - Africa in the Global Political Economy (4)  
 POL 447 - Theories of Global Political Economy (4)  
 POL 452W - Energy Policy (4)  
**REM 454 - Water Security (4)**  
 SA 302W - Global Problems and the Culture of Capitalism (SA) (4)  
 SA 316 - Tourism and Social Policy (SA) (4)  
 SA 326 - Ecology and Social Thought (S) (4)  
 SA 328 - States, Cultures and Global Transitions (SA) (4)  
 SA 329 - Sex, Work, and International Capital (SA) (4)  
 SA 362 - Society and the Changing Global Division of Labour (S) (4)  
 SA 363 - Process of Development and Underdevelopment (SA) (4)  
~~SA 365 - Selected Regional Areas (A) (4)~~  
 SA 371 - The Environment and Society (SA) (4)  
 SA 388 - Comparative Studies of Minority Indigenous Peoples (A) (4)  
 SA 396 - Selected Regional Areas (SA) (4)  
 SA 418 - Global Health: Humanitarian Encounters (A) (4)

\*With the approval of the School for International Studies (please contact the IS advisor), 4 upper division units from courses not listed above with high international content may be considered for credit towards this plan.



**Calendar Entry Change**  
**Major in Philosophy**

Rationale for change: We are adding a new course (PHIL 326 – Topics in Law and Philosophy) and it will count as fulfilling an upper division requirement for our major. In addition, we are adding PHIL 455W to the list of courses that may fulfill an upper-division requirement.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes: No other programs will be affected by these changes to our major concentration.

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Philosophy Major  
BACHELOR OF ARTS

Program Requirements  
Students complete 120 units, as specified below.

Lower Division Requirements  
Students complete the following 15 units by taking all of

PHIL 110 - Introduction to Logic and Reasoning (3)  
PHIL 150 - Great Works in the History of Philosophy (3)  
PHIL 201 - Epistemology (3)  
PHIL 203 - Metaphysics (3)  
PHIL 221 - Ethical Theory (3)

Upper Division Requirements  
Students complete a total of at least 30 units, including one course at the 400 division, and  
at least one of

PHIL 320 - Social and Political Philosophy (3)  
PHIL 321 - Topics in Moral Philosophy (3)  
PHIL 322 - History of Ethics (3) \*  
**PHIL 326 – Topics in the Philosophy of Law (3)**  
~~PHIL 329 - Law and Philosophy Justice (3)~~

PHIL 421W - Advanced Topics in Ethical Theory (4)

and at least one of

PHIL 302 - Topics in Epistemology and Metaphysics (3)

PHIL 341 - Philosophy of Science (3)

PHIL 343 - Philosophy of Mind (3)

PHIL 344 - Philosophy of Language (3)

PHIL 345W - Philosophy of Mathematics (3)

**PHIL 455W – Contemporary Issues in Epistemology and Metaphysics (4)**

and at least two of

PHIL 322 - History of Ethics (3)

PHIL 350 - Ancient Philosophy (3)

PHIL 352 - 17th Century Philosophy (3)

PHIL 356 - 18th Century Philosophy (3)

PHIL 357 - Topics in the History of Philosophy (3)

PHIL 358 - 19th Century Philosophy (3)

PHIL 451W - Advanced Topics in the History of Philosophy (4)

\* unless counted as a history stream requirement





### Calendar Entry Change

#### Philosophy Major – Concentration in Law and Philosophy

Rationale for change: We are adding a new course (PHIL 326 – Topics in Law and Philosophy). This course will now be required for students pursuing this concentration. In addition, we are making changes to the title and calendar description of PHIL 329, and these must be reflected in the program requirements. We also wish to give students the opportunity to take a 400-level course to fulfill major requirements.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes: No other programs will be affected by these changes to our major concentration.

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

#### Philosophy Major: Concentration in Law and Philosophy

Students may qualify for this concentration by completing the Philosophy Major lower division requirements listed above and the following upper division requirements:

Students complete a total of at least 30 units, including

#### **PHIL 326 – Topics in Law and Philosophy (3)**

PHIL 329 - Law and ~~Philosophy~~ **Justice (3)**

and at least ~~three~~ **two** of

PHIL 320 - Social and Political Philosophy (3)

PHIL 321 - Topics in Moral Philosophy (3)

PHIL 322 - History of Ethics (3)

PHIL 327 - Global Health Ethics (3)

PHIL 328 - Environmental Philosophy (3)

PHIL 421W - Advanced Topics in Ethical Theory (4)

and at least two of

PHIL 302 - Topics in Epistemology and Metaphysics (3)

PHIL 341 - Philosophy of Science (3)

PHIL 343 - Philosophy of Mind (3)

PHIL 344 - Philosophy of Language (3)

PHIL 345W - Philosophy of Mathematics (3)  
 PHIL 350 - Ancient Philosophy (3)  
 PHIL 352 - 17th Century Philosophy (3)  
 PHIL 356 - 18th Century Philosophy (3)  
 PHIL 357 - Topics in the History of Philosophy (3)  
 PHIL 358 - 19th Century Philosophy (3)  
**PHIL 451W – Advanced Topics in the History of Philosophy (4)**  
**PHIL 455W – Contemporary Issues in Epistemology and Metaphysics (4)**

and at least one 400-level course in Philosophy



### Calendar Entry Change

#### Minor in Philosophy – Concentration in Law and Philosophy

Rationale for change: We are adding a new course (PHIL 326 – Topics in Law and Philosophy). This course will now be required for students pursuing this concentration. In addition, we are making changes to the title and calendar description of PHIL 329, and these must be reflected in the program requirements.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes: No other programs will be affected by these changes to our major concentration.

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

#### Philosophy Minor: Concentration in Law and Philosophy

Students may qualify for this concentration by completing the following upper division requirements along with the associated lower division prerequisites:

Students complete a total of at least 18 upper division units including

#### **PHIL 326 – Topics in Law and Philosophy (3)**

PHIL 329 - Law and ~~Philosophy~~ **Justice** (3)

And at least ~~three~~ **two** of

PHIL 320 - Social and Political Philosophy (3)

PHIL 321 - Topics in Moral Philosophy (3)

PHIL 322 - History of Ethics (3)

PHIL 327 - Global Health Ethics (3)

PHIL 328 - Environmental Philosophy (3)

PHIL 421W - Advanced Topics in Ethical Theory (4)

Any 300-level or 400-level PHIL selected topics course in a relevant area of study with approval from the department.



## Calendar Entry Change Honours in Philosophy

Rationale for change: We are adding a new course (PHIL 326 – Topics in Law and Philosophy) and it will count as fulfilling a requirement for our honours major. We are also aiming to give students the option to fulfill a degree requirement in metaphysics and epistemology by taking a 400-level course.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes: No other programs will be affected by these changes to our major concentration.

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

### Philosophy Honours

#### BACHELOR OF ARTS

This program is for students who are capable of self-direction who wish to pursue advanced work in philosophy with the benefit of individual attention.

#### Admission Requirements

Submit an honours program application (available in the department office), and consult the advisor.

Entering students must first complete 60 units including 12 upper division philosophy units, and must fulfil lower division requirements as listed below.

Normally a 3.5 grade point average (GPA) or higher in upper division philosophy courses is expected for entrance and continuance but does not by itself guarantee either.

#### Program Requirements

Students complete 132 units, as specified below.

#### Lower Division Requirements

Students complete the following 15 units by taking all of

PHIL 110 - Introduction to Logic and Reasoning (3)

PHIL 150 - Great Works in the History of Philosophy (3)

PHIL 201 - Epistemology (3)  
PHIL 203 - Metaphysics (3)  
PHIL 221 - Ethical Theory (3)

#### Upper Division Requirements

Students complete at least 50 units, including one course at the 400 division, and at least one of

PHIL 320 - Social and Political Philosophy (3)  
PHIL 321 - Topics in Moral Philosophy (3)  
PHIL 322 - History of Ethics (3) \*  
**PHIL 326 – Topics in Law and Philosophy (3)**  
PHIL 329 - Law and Philosophy Justice (3)  
PHIL 421W - Advanced Topics in Ethical Theory (4)

and at least one of

PHIL 302 - Topics in Epistemology and Metaphysics (3)  
PHIL 341 - Philosophy of Science (3)  
PHIL 343 - Philosophy of Mind (3)  
PHIL 344 - Philosophy of Language (3)  
PHIL 345W - Philosophy of Mathematics (3)  
**PHIL 455W – Contemporary Issues in Epistemology and Metaphysics (4)**

and at least two of

PHIL 322 - History of Ethics (3)  
PHIL 350 - Ancient Philosophy (3)  
PHIL 352 - 17th Century Philosophy (3)  
PHIL 356 - 18th Century Philosophy (3)  
PHIL 357 - Topics in the History of Philosophy (3)  
PHIL 358 - 19th Century Philosophy (3)  
PHIL 451W - Advanced Topics in the History of Philosophy (4)

In addition, honours students complete the following two honours tutorial courses. To enroll in an honours tutorial, an honours student must prepare, in consultation with the proposed faculty supervisor, a document (normally one page or less) summarizing the topic and content of the tutorial and submit it to the Undergraduate Curriculum Chair for approval. Tutorials are usually approved only after the student is prepared for rigorous independent study by having completed sufficient upper-division coursework.

Tutorials offer sufficient time to examine in-depth several philosophical topics in a general area such as ethics, metaphysics, philosophy of mind, etc. The honours candidate must achieve a grade of B or higher in each honours tutorial to receive the honours degree.

PHIL 477 - Honours Tutorial I (5)

PHIL 478 - Honours Tutorial II (5)

\* unless counted as a history stream requirement





### Calendar Entry Change Ethics Certificate

Rationale for change: We are adding a new course (PHIL 326 – Topics in Law and Philosophy) and it will count as fulfilling a requirement for our ethics certificate.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes: No other programs will be affected by these changes to our major concentration.

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

#### Ethics

##### CERTIFICATE

Students complete a minimum of 18 units, which includes three core courses in ethical theory (9-10 units) and three elective courses drawn from one of the streams listed below (9-12 units). In certain cases, students may devise their own stream in consultation with the philosophy undergraduate chair.

Students are responsible for completing prerequisites for any of the following courses. Note that students may gain entry to any of this certificate's philosophy courses by taking one of PHIL 120W (or equivalent), 121 or 221.

A minimum grade of C- is required in all courses that are used to fulfill the requirements of the certificate. An overall Simon Fraser University cumulative grade point average (CGPA) of 2.25 must be maintained. All upper division philosophy courses must be completed at Simon Fraser University.

##### Program Requirements

##### Core Courses

Students complete three of

PHIL 221 - Ethical Theory (3)

PHIL 320 - Social and Political Philosophy (3)

PHIL 321 - Topics in Moral Philosophy (3)

PHIL 322 - History of Ethics (3)

**PHIL 326 – Topics in Law and Philosophy (3)**

PHIL 327 - Global Health Ethics (3)

PHIL 328 - Environmental Philosophy (3)

PHIL 329 - Law and Philosophy **Justice** (3)

PHIL 421W - Advanced Topics in Ethical Theory (4)

any 300 or 400 division PHIL special topics course in ethics (consult the philosophy undergraduate advisor to confirm whether a given special topics course qualifies as an ethics course)



### Calendar Entry Change

#### Faculty of Arts and Social Sciences, Department of Political Science

##### Rationale for change:

The proposed changes are intended to better prepare our students for upper division courses and general learning outcomes. They increase the course units and instruction contact hours from 3 to 4. This brings them inline with the current workload for these key courses, which also tend to be quite challenging for students. Students have also expressed concern for the workload at 3 units. Making POL 200 a W course will also allow us to prepare students especially for writing in our discipline and ensure that preparation is more uniform than it is currently. Overall, we expect these changes to improve student learning outcomes at SFU and beyond.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

Political Science Major

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample-~~ All additions should be marked by a **bold**.

##### Program Declaration

Students can apply for the Political Science Major program after completing the following ~~12~~ **14** lower division Political Science units with minimum C grades:

one of

POL 100 - Introduction to Politics and Government (3)

POL 101W - Introduction to Politics and Government (3)

and **all of**

POL 200W - Investigating Politics: Research Design and Qualitative Methods (~~3~~ **4**)

POL 201 - Introductory Quantitative Methods in Political Science (~~3~~ **4**)

POL 210 - Introduction to Political Philosophy (3)

##### Program Requirements

A minimum of 120 units, including a minimum of 45 upper division units, as specified below.





### Lower Division Requirements

Students complete a total of ~~21~~ **23** units, including

one of

POL 100 - Introduction to Politics and Government (3)

POL 101W - Introduction to Politics and Government (3)

and **all of**

POL 200W - Investigating Politics: Research Design and Qualitative Methods (~~3~~ **4**)

POL 201 - Introductory Quantitative Methods in Political Science (~~3~~ **4**)

POL 210 - Introduction to Political Philosophy (3)

and one of

POL 221 - Introduction to Canadian Government (3)

POL 222 - Introduction to Canadian Politics (3)

POL 251 - Introduction to Canadian Public Administration (3)

POL 253 - Introduction to Public Policy (3)

and one of

POL 141 - War, International Cooperation and Development (3)

POL 231 - Comparative Politics (3)

~~and one of~~

~~POL 151 - Justice and Law (3)~~

~~POL 232 - US Politics (3)~~

~~POL 252 - Local Democracy and Governance (3)~~

~~or any other lower division course in Political Science~~



### Calendar Entry Change

#### Faculty of Arts and Social Sciences, Department of Political Science

##### Rationale for change:

The proposed changes are intended to better prepare our students for upper division courses and general learning outcomes. They increase the course units and instruction contact hours from 3 to 4. This brings them inline with the current workload for these key courses, which also tend to be quite challenging for students. Students have also expressed concern for the workload at 3 units. Making POL 200 a W course will also allow us to prepare students especially for writing in our discipline and ensure that preparation is more uniform than it is currently. Overall, we expect these changes to improve student learning outcomes at SFU and beyond.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

Political Science Honours

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

##### Lower Division Requirements

Students complete a total of ~~21~~ **23** units, including

one of

POL 100 - Introduction to Politics and Government (3)

POL 101W - Introduction to Politics and Government (3)

And **all of**

POL 200**W** - Investigating Politics: Research Design and Qualitative Methods (~~3~~ **4**)

POL 201 - Introductory Quantitative Methods in Political Science (~~3~~ **4**)

POL 210 - Introduction to Political Philosophy (3)

and one of

POL 221 - Introduction to Canadian Government (3)

POL 222 - Introduction to Canadian Politics (3)

POL 251 - Introduction to Canadian Public Administration (3)

POL 253 - Introduction to Public Policy (3)



and one of  
POL 141 - War, International Cooperation and Development (3)  
POL 231 - Comparative Politics (3)

~~and one of~~  
~~POL 151 - Justice and Law (3)~~  
~~POL 232 - US Politics (3)~~  
~~POL 252 - Local Democracy and Governance (3)~~

~~or any other lower division course in Political Science~~



**Calendar Entry Change**

**Faculty of Arts and Social Sciences, Department of Political Science**

<p>Rationale for change:</p> <p>POL 200 and POL 201 are moving to 4 units to be able to cover more material and prepare students for upper division courses. Plus, POL 200 is becoming a W course.</p>
<p>Effective term and year: Fall 2019</p>
<p>The following program(s) will be affected by these changes:</p> <ul style="list-style-type: none"> <li>• French Cohort Program in Public and International Affairs French Major with a Political Science Extended Minor</li> <li>• French Cohort Program in Public and International Affairs Political Science Major with a French Extended Minor</li> </ul>

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

<p>Lower Division Requirements</p> <p>Students complete a total of <del>33</del> <b>35</b> units, comprised of <del>18</del> <b>20</b> Political Science (POL) units (12 units of which will be taught in the French language) and 15 French (FREN) units, by completing all of</p> <p>POL 100 - Introduction to Politics and Government (3) *CS</p> <p>POL 200<b>W</b> - Investigating Politics: Research Design and Qualitative Methods (<del>3</del> <b>4</b>) *</p> <p>POL 201 - Introductory Quantitative Methods in Political Science (<del>3</del> <b>4</b>) *</p> <p>POL 210 - Introduction to Political Philosophy (3) *CS</p> <p>POL 244 - Canada in the World (3) CS</p> <p>POL 253 - Introduction to Public Policy (3) CS</p>
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**Calendar Entry Change**

**Faculty of Arts and Social Sciences, Department of Political Science**

Rationale for change:

POL 201 is moving to 4 units to be able to cover more material and prepare students for upper division courses.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

- Joint Major Political Science and Economics

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

**Lower Division Requirements Political Science**

Students complete a minimum of ~~21~~ **22** units, including one of

POL 100 - Introduction to Politics and Government (3)

POL 101W - Introduction to Politics and Government (3)

and all of

POL 221 - Introduction to Canadian Government (3)

POL 222 - Introduction to Canadian Politics (3)

POL 251 - Introduction to Canadian Public Administration (3)

and one of

BUEC 232 - Data and Decisions I (4)

POL 201 - Introductory Quantitative Methods in Political Science (~~3~~ **4**) \*

**Calendar Entry Change**

**Faculty of Arts and Social Sciences, Department of Political Science**

Rationale for change:

POL 201 is moving to 4 units to be able to cover more material and prepare students for upper division courses.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

- Joint Major Political Science and Gender, Sexuality, and Women's Studies

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Lower Division Political Science Requirements

Students complete a total of ~~45~~ **16** units, including one of

POL 100 - Introduction to Politics and Government (3)

POL 101W - Introduction to Politics and Government (3)

and

POL 201 - Introductory Quantitative Methods in Political Science (~~3~~ **4**)

and an additional nine lower division units.





**Calendar Entry Change**

**Faculty of Arts and Social Sciences, Department of Political Science**

Rationale for change:

We are requiring POL 200W for the minor because our minors take many upper division courses and POL 200W is a critical course to prepare them for their upper division studies.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

Political Science Minor

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

Lower Division Requirements

Students complete a total of ~~12~~ **13** units, including

A minimum of a C grade in:

one of

POL 100 - Introduction to Politics and Government (3)

POL 101W - Introduction to Politics and Government (3)

and

**POL 200W – Investigating Politics: Research Design and Qualitative Methods (4)**

and at least ~~nine~~ **six** additional lower division Political Science units.



### Calendar Entry Change

#### Faculty of Arts and Social Sciences, Department of Political Science

##### Rationale for change:

The proposed changes are intended to better prepare our students for upper division courses and general learning outcomes. They increase the course units and instruction contact hours from 3 to 4. This brings them inline with the current workload for these key courses, which also tend to be quite challenging for students. Students have also expressed concern for the workload at 3 units. Making POL 200 a W course will also allow us to prepare students especially for writing in our discipline and ensure that preparation is more uniform than it is currently. Overall, we expect these changes to improve student learning outcomes at SFU and beyond.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

Political Science Extended Minor

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

##### Program Declaration

Students can apply for the Political Science Extended Minor program after completing the following ~~12~~ **14** lower division Political Science units with minimum C grades:

one of

POL 100 - Introduction to Politics and Government (3)

POL 101W - Introduction to Politics and Government (3)

and **all of**

POL 200**W** - Investigating Politics: Research Design and Qualitative Methods (~~3~~ **4**)

POL 201 - Introductory Quantitative Methods in Political Science (~~3~~ **4**)

POL 210 - Introduction to Political Philosophy (3)

##### Program Requirements



This program is based on the lower division requirements (100 and 200 division courses) of the major program and the upper division requirements (300 and 400 division courses) of the minor program as follows.

#### Lower Division Requirements

Students complete a total of ~~21~~ **23** units, including

one of

POL 100 - Introduction to Politics and Government (3)

POL 101W - Introduction to Politics and Government (3)

and **all of**

POL 200W - Investigating Politics: Research Design and Qualitative Methods (~~3~~ **4**)

POL 201 - Introductory Quantitative Methods in Political Science (~~3~~ **4**)

POL 210 - Introduction to Political Philosophy (3)

and one of

POL 221 - Introduction to Canadian Government (3)

POL 222 - Introduction to Canadian Politics (3)

POL 251 - Introduction to Canadian Public Administration (3)

POL 253 - Introduction to Public Policy (3)

and one of

POL 141 - War, International Cooperation and Development (3)

POL 231 - Comparative Politics (3)

~~and one of~~

~~POL 151 - Justice and Law (3)~~

~~POL 232 - US Politics (3)~~

~~POL 252 - Local Democracy and Governance (3)~~

~~or any other lower division course in Political Science~~



**Calendar Entry Change**  
**Department of Sociology & Anthropology, FASS**  
**Sociology Minor Program**

Rationale for change:

Previously, the Sociology minor required three lower-division SA courses, with a minimum of 10 lower-division SA units. We were requested to change this, because if students take the required courses at SFU they earn 12 units. This adds a minimum of 12 units to the requirement.

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Sociology Minor

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

**Program Requirements**

SA GPA and UD GPA must be 2.0 or higher for admission to and completion of the program. In order to declare the minor, student must have completed or be enrolled in the last of the lower division requirements.

**Lower Division Requirements**

Students complete ~~3 lower-division SA courses~~. These must include **a minimum of 12 units, which include:**

SA 150 - Introduction to Sociology (S) (4)  
and one of

SA 250 - Introduction to Sociological Theory (S) (4)

SA 255 - Introduction to Social Research (SA) (4)

~~The third course~~ **and one additional SA course, which** may be designated (S), (A), or (SA).

**Upper Division Requirements**

Students complete a minimum of 4 upper division SA courses, with a minimum of 15 units. Of these, 2 courses must be designated (S). The remainder may be designated (S), (A), or (SA).

No more than 2 upper division transfer courses may be used towards this minor.

No more than 4 Directed Reading units may be used towards this minor.

**Calendar Entry Change**  
**Department of Sociology & Anthropology, FASS**  
**Anthropology Minor Program**

Rationale for change:

Previously, the Anthropology minor required three lower-division SA courses, with a minimum of 10 lower-division SA units. We were requested to change this, because if students take the required courses at SFU they earn 12 units. This adds a minimum of 12 units to the requirement.

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Anthropology Minor

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

**Program Requirements**

SA GPA and UD GPA must be 2.0 or higher for admission to and completion of the program. In order to declare the minor, student must have completed or be enrolled in the last of the lower division requirements.

**Lower Division Requirements**

Students complete ~~3 lower division SA courses. These must include~~ **a minimum of 12 units, which include:**

SA 101 - Introduction to Anthropology (A)  
and one of

SA 201W - Anthropology and Contemporary Life (A) (4)

SA 255 - Introduction to Social Research (SA) (4)

~~The third course and one additional SA course, which~~ may be designated (S), (A), or (SA).

**Upper Division Requirements**

Students complete a minimum of 4 upper division SA courses, with a minimum of 15 units. Of these, 2 courses must be designated (A). The remainder may be designated (S), (A), or (SA).

No more than 2 upper division transfer courses may be used towards this minor.

No more than 4 Directed Reading units may be used towards this minor.

**Calendar Entry Change****Beedie School of Business Undergraduate Program**

## Rationale for change:

MATH 151 is an acceptable course for first-year Business students to take but was left off the Business Foundation program course list. This change in language provides more flexibility for students to take the Calculus course that is most appropriate to their experiences and study plan.

## Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Business Foundation Program:

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Business Foundation Program

Newly admitted students beginning their business studies at Simon Fraser University on the Surrey or Burnaby campus will complete the Business Foundation Program. The Business Foundation Program is an interdisciplinary first year program where students will gain foundational skills and knowledge for success in their academic and experiential pursuits within the Beedie School of Business. An emphasis on applied business knowledge, communication and collaboration will be expressed through complementary weekly workshops, as well as career/professional development workshops via the Business Career Passport.

The Business Foundation Program contains two streams: the high school stream for newly admitted high school students and the transfer stream for internal and external transfer students. Each stream is designed to address the transition needs of the respective student group. Both streams must complete the Career Passport requirements.

## Program Requirements

## High School Stream

In their first term, students must complete

BUS 201 - Introduction to Business (3)

and are recommended to take two to four additional courses from the following

one of

ECON 103 - Principles of Microeconomics (4)



ECON 105 - Principles of Macroeconomics (4)  
or one of

MATH 150 - Calculus I with Review (4)

**MATH 151 - Calculus I (3)**

MATH 154 - Calculus I for the Biological Sciences (3)

MATH 157 - Calculus I for the Social Sciences (3)

and/or one of

ENGL 111W - Literary Classics in English (3)

ENGL 112W - Literature Now (3)

ENGL 113W - Literature and Performance (3)

ENGL 114W - Language and Purpose (3)

ENGL 115W - Literature and Culture (3)

ENGL 199W - Writing to Persuade (3)

PHIL 100W - Knowledge and Reality (3)

PHIL 105 - Critical Thinking (3)

PHIL 120W - Moral Problems (3)

WL 101W - Writing in World Literature (3)

WL 103W - Early World Literatures (3)

WL 104W - Modern World Literatures (3)

and/or elective course(s) that may be applied toward the non-BUS/non-BUEC requirement within the bachelor of business administration or toward the university's WQB requirements.

Transfer Stream

In their first term, students must complete

BUS 202 - Foundations for Collaborative Work Environments (3)

and are recommended to take two to four additional business courses and/or elective course(s) that may be applied toward the non-BUS/non-BUEC requirement within the bachelor of business administration or toward the university's WQB requirements.

Business Career Passport Requirements

Business Career Passport (BCP) is a mandatory program for Bachelor of Business Administration (BBA) students to kick-start their career.

Students admitted to the BBA program for the Fall 2017 term onwards are required to complete the program within 12 months of the start of their program.

Students admitted to the BBA program from the Fall 2012 term to the Summer 2017 term are required to complete the program prior to graduation.

For more information, [click here](#).



**Calendar Entry Change**  
**Beedie School of Business Undergraduate Program**

Rationale for change: The edits below make the language used in the Business Joint Major admissions section of the calendar consistent with that in the Business Major admissions section. The language is updated to be clearer to students
Effective term and year: Fall 2019
The following program(s) will be affected by these changes: Business Joint Major Admission Requirements

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

<p>Joint Major Admission Requirements</p> <p>All students wishing to pursue a joint major with the Beedie School of Business and another department/faculty must be admissible to both programs that comprise the joint major.</p> <p>DIRECT FROM SECONDARY SCHOOL (<del>CATEGORY 1</del>) OR EXTERNAL TRANSFER - DIRECT FROM A RECOGNIZED POST-SECONDARY INSTITUTION (<del>CATEGORY 2</del>)</p> <p>Students must first gain admission to the Beedie School of Business through the secondary school (<del>Category 1</del>) or the external post-secondary institution (<del>Category 2</del>) application process <b>described above</b>. Once attending SFU, the student must satisfy the admission requirements listed for the non-Business portion of the joint major program in order to have their Business plan changed from a major to a joint major. Students should consult with both Beedie and the accompanying joint major department/faculty before applying to the joint major program.</p> <p>COURSES COMPLETED AT SIMON FRASER UNIVERSITY ONLY, OR BOTH SFU AND ANOTHER POST-SECONDARY INSTITUTION(S) (<del>CATEGORY 3 &amp; 4</del>)</p> <p>Students admitted to an SFU faculty outside of the Beedie School of Business must be admissible to both the Beedie School of Business via internal transfer (<b>as described in the major admission requirements above</b>) (<del>Category 3 or 4</del>), and the other program that comprises that particular joint major (except in the case of the Psychology and Business Joint Major Program).</p> <p>When applying to Beedie, students will be competitively selected for admission based on the specific course requirements for the particular joint major program and a supplemental</p>
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application form. Students should consult both Beedie and the accompanying joint major department/faculty before applying to the joint major program.

Please note that students must meet minimum GPA requirements in order to be considered for admission to the Beedie School of Business. These requirements are listed on the internal transfer website. Prospective students should also review and meet the Beedie School of Business grade requirements, which are listed **in the SFU calendar** ~~at the bottom of this page.~~

For further details on the required courses for admission, please refer to the specific business joint major program requirements.

#### APPLICATION PROCEDURES

Applicants should apply to the faculty during the term in which the admission requirements are completed. ~~The supplemental application can be found on Beedie's website.~~

**Students applying directly from a secondary school or an external post-secondary institution should apply to the faculty at the same time that they apply for admission to the University.**

**Internal transfer applicants should apply to the faculty during the term in which the admission requirements are completed.**

Students not accepted upon initial application may reapply. Unsuccessful applicants **are permitted to appeal.** ~~may appeal through the faculty admissions appeal committee.~~

#### APPLICATION DEADLINES

Visit <http://beedie.sfu.ca/bba/apply> for application deadlines.





## Calendar Entry Change

### Beedie School of Business Undergraduate Program

Rationale for change:

The Business Foundation Program was updated in Fall of 2017 to be done in a student's first year and to include the Business Career Passport component. This paragraph in the Major & Honours programs was missed at that time.

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Business Administration Major

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Program Requirements

Students complete at least 120 units, within which:

- Students must include a minimum of 36 units, outside the Beedie School of Business\*. Within the 36 units, students must meet the University requirements for breadth — 6 units labelled as Breadth-Humanities, 6 units labelled as Breadth-Science, and 6 units labelled as Breadth-Social Science, and 6 units of additional breadth that may or may not be labelled.

\*Courses not labelled as BUS or BUEC that are completed as part of the lower division requirements may be used toward the 36 units outside business.

- Students admitted to the Beedie School of Business for the Fall ~~2014~~ **2017** term onwards must complete the Business Foundation Program **within their first year** ~~in their first term~~. Students admitted **from high school** ~~through Category 1~~ must complete the Business Foundation Program – High School Stream. Students admitted through **internal or external transfer** must complete the Business Foundation Program - Transfer Stream. The courses required for each stream can be found under the [Business Foundation Program](#).

## Calendar Entry Change Beedie School of Business Undergraduate Program

<p>Rationale for change: The Business Foundation Program was updated in Fall of 2017 to be done in a student's first year and to include the Business Career Passport component. This paragraph in the Major &amp; Honours programs was missed at that time.</p>
<p>Effective term and year: Fall 2019</p>
<p>The following program(s) will be affected by these changes: Business Administration Honours</p>

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Program Requirements

Students complete at least 132 units, of which 60 units must be upper division. Additionally, the 132 units:

must include a minimum of 36 units, outside the Beedie School of Business\*. Within the 36 units, students must meet the University requirements for breadth — 6 units labelled as Breadth-Humanities, 6 units labelled as Breadth-Science, and 6 units labelled as Breadth-Social Science, and 6 units of additional breadth that may or may not be labelled.

\*Courses not labelled as BUS or BUEC that are completed as part of the lower division requirements may be used toward the 36 units outside business.

Students admitted to the Beedie School of Business for the Fall ~~2014~~ **2017** term onwards must complete the Business Foundation Program **within their first year** ~~in their first term~~. Students admitted **from high school** ~~through Category 1~~ must complete the Business Foundation Program – High School Stream. Students admitted through **internal or external transfer** must complete the Business Foundation Program - Transfer Stream. The courses required for each stream can be found under the [Business Foundation Program](#).

## Calendar Entry Change Beedie School of Business Undergraduate Program

<p>Rationale for change: The changes recognize the addition of BUS 291 or BUS 292 BUS 292 - Selected Topics in Business Administration (3) to the certificate, when they are offered as Selected Topics in Innovation and Entrepreneurship.</p> <p>This will allow students who participate in the YELL program to receive credit of BUS 291 (3) or 292 (3) upon admission to programs other than business at SFU. Then these students will be able to apply this credit towards the Certificate in I&amp;E.</p> <p>These changes also respond to a Letter of Intent signed by the Beedie School of Business, SFU and the Young Entrepreneur Leadership Launchpad (YELL) program in spring 2018. These changes are intended to help recruit entrepreneurial students from high school and give a direct pathway into the Certificate in Innovation and Entrepreneurship while still allowing students access to the first available entrepreneurship course, BUS 238 and not cannibalizing 238. These changes have already been positively received by the SFU Interdisciplinary Entrepreneurship Council.</p>
<p>Effective term and year: Fall 2019</p>
<p>The following program(s) will be affected by these changes: Innovation and Entrepreneurship Certificate</p>

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

<p>Innovation and Entrepreneurship</p> <p>CERTIFICATE</p> <p>Admission Requirements</p> <p>A student in any faculty at SFU may declare this certificate through the Beedie School of Business.</p> <p>Limitations</p>
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Students may complete only one of the Certificate in Business Analytics and Decision Making, the Certificate in Business Technology Management, or the Certificate in Innovation and Entrepreneurship.

Additionally, units applied to one certificate may not be applied to another Simon Fraser University certificate or diploma, as noted here.

### Grade Requirements

In addition to normal university grade point average requirements, the Beedie School of Business requires a minimum 2.30 overall SFU Business course grade point average for entry into all 300 and 400 division business courses.

For a course to be accepted as fulfilling a prerequisite, or for a lower division requirement, or for a core course to be accepted in a student's program in business, a student must have obtained a minimum grade of C- (C minus).

### Program Requirements

Students must complete the following, including foundational business courses, a capstone course, and additional coursework from a variety of disciplines.

Students will complete all of:

BUS 238 - Introduction to Entrepreneurship and Innovation (3)

BUS 314 - Resourcing New Ventures (3)

BUS 338 - Foundations of Innovation (3)

BUS 361 - Project Management (3)

And one of\*:

BUS 477 - Startup Experience (4)

ENV 495 - Environmental Capstone (4) \*\*

HSCI 495 - Applied Health Science Project (4)

IAT 430 - Business of Design III: Refinement and Production (3) ^ and BUS 476 - Business of Design IV - Promotion, Packaging and Launch - Launching a Design-Led Business (4) ^

IAT 499 - Graduation Project (6)

MSE 410 - Capstone Design Technical Project I (3) ^^ and MSE 411W - Capstone Design Technical Project II (3) ^^

Students# will complete two of\*:

**BUS 291 - Selected Topics in Business Administration (3) \*\*\***

**BUS 292 - Selected Topics in Business Administration (3) \*\*\***

BISC 373 - Brewing Science (2) or BISC 374 - Brewing Science with Lab (3)

BUS 339 - Business of Design II - Iteration and Prototyping (4)

BUS 406 - Startup Accelerator (3)

BUS 443 - New Product Development and Design (3)

BUS 450 - Managing Emerging Opportunities (3)

BUS 453 - Sustainable Innovation (3)

BUS 490 - Selected Topics in Business Administration (3) \*\*\*

BUS 491 - Selected Topics in Business Administration (3) \*\*\*

BUS 492 - Selected Topics in Business Administration (3) \*\*\*

BUS 493 - Selected Topics in Business Administration (3) \*\*\*

BUS 494 - Selected Topics in Business Administration (3) ***
BUS 495 - Selected Topics in Business Administration (3) ***
BUS 496 - Selected Topics in Business Administration (5) ***
CA 381 - Thriving as a Cultural Entrepreneur (3)
CMNS 425 - Applied Communication for Social Issues (4)
CMPT 120 - Introduction to Computing Science and Programming I (3)
CMPT 320 - Social Implications - Computerized Society (3)
HSCI 130 - Foundations of Health Science (4)
HSCI 305 - The Canadian Health System (3)
HSCI 312 - Health Promotion: Individuals and Communities (3)
IAT 330 - Business of Design I: Introduction (3)
IAT 333 - Interaction Design Methods (3)
IAT 431 - Speculative Design (3)
IAT 481 - Special Topics in Interactive Arts and Technology (Science) (3)
MSE 110 - Mechatronics Design I (3) or MSE 111 - Mechatronics for non-Engineers (3)
POL 150 - Science, Policy, and Innovation (3)
POL 457W - Technology and Innovation Policy (4)
PUB 101 - Publication of Self in Everyday Life (3)
PUB 201 - The Publication of Professional Self (3)
PUB 212 - Public Relations and Public Engagement (3)
PUB 456 - Institutional and International Event Planning and Management (4)
# Students completing a Bachelor of Business Administration may not use business courses to meet the requirements of this section.





\* Substitutions with appropriate course content may be possible with permission from the Beedie School of Business.

\*\* ENV 495 will only count toward this certificate when offered as part of Change Lab. Students are to consult with a Faculty of Environment advisor before enrolling in this course.

\*\*\* When offered as a selected topics course in Innovation and Entrepreneurship.

^ Business of Design

^^ Technology Entrepreneurship @ SFU

## Letter of Intent

between

**Simon Fraser University,  
the Beedie School of Business  
and Young Entrepreneurs Leadership Launchpad (YELL)**

*Supporting the development of entrepreneurial mindsets before university*

### WHEREAS:

- A. By this Letter of Intent between **Simon Fraser University ("SFU")**, the **Beedie School of Business ("Beedie")**, and **Young Entrepreneurship Leadership Launchpad ("YELL")**, signed on \_\_\_\_\_, the parties agree to explore a pilot to provide high school students who successfully complete the YELL program at their high schools with SFU credit toward entrepreneurship programming in Beedie.

### Background:

Innovation and entrepreneurship have recently become a strategic focus for both Beedie and SFU more widely. The Canadian and B.C. governments are actively encouraging post-secondary institutions to deliver entrepreneurship programs<sup>1,2</sup>. Entrepreneurship and innovation training develops "renewable competencies" such as creativity and adaptability, team work and collaboration skills, communication and implementation; which prepare students for an employment landscape that is rapidly changing<sup>3</sup>. These skills have been found to lead to much greater ambition and productivity<sup>4</sup>. From the standpoint of institutional values, the Beedie School of Business views entrepreneurship as a valuable mindset that enables its students to confidently engage with the challenges that are meaningful to them, create their own opportunities, and implement solutions that will create societal and economic value in the future.

Creating and nurturing an entrepreneurial mindset begins prior to university, but needs to be actively supported, encouraged and then welcomed as students move to post-secondary education. By giving post-secondary credit for a rigorous, hands-on entrepreneurship high school program, Beedie hopes to signal its value of this mindset to the community and future students, as well as attracting students with

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<sup>1</sup> NSERC (2013) The Government of Canada Committed to Research and Innovation: Minister of State Rickford Announces Funding to Top Academics. Accessed from: [http://www.nserc-crsng.gc.ca/Media-Media/NewsRelease-CommuniquedePresse\\_eng.asp?ID=421](http://www.nserc-crsng.gc.ca/Media-Media/NewsRelease-CommuniquedePresse_eng.asp?ID=421)

<sup>2</sup> B.C. Jobs Plan (2012) Canada Starts Here. Accessed from: <http://www.bcjobsplan.ca/wp-content/uploads/BC-Jobs-Plan-PDF.pdf>

<sup>3</sup> Miller (2013) The Rise of the Generalists. Globe and Mail Canadian University Report. October. 19-13

<sup>4</sup> <http://business.financialpost.com/2012/08/20/why-next-36-matters-for-all-canadian-entrepreneurs/>

this mindset to participate in Beedie's growing ecosystem of entrepreneurship programming.

### **Collaborators:**

**YELL** is a registered Canadian charity that develops rigorous entrepreneurship training programming (the "**Program**"), which can be incorporated into Business 10-12 or Entrepreneurship 10-12 courses in the B.C secondary school system. The Program is administered by existing high school teachers who choose to adopt the curriculum. The Program can run either in place of a pre-existing high school course or as a special topics course outside the regular course schedule, as determined by YELL and each high school or school district. In each class, students learn and apply the entrepreneurship and innovation content, as well as gain content and advice from guest speakers and mentors as arranged by YELL. Students also prepare a standardized business plan as their final deliverable and pitch that plan at a regional showcase at the end of the school year.

**Beedie School of Business**, at Simon Fraser University, pioneers programming that develops strong and responsible leaders. Beedie has strategic focus in the areas of sustainability, international business and entrepreneurship. In 2016, Beedie launched the Charles Chang Institute for Entrepreneurship, an interdisciplinary platform to cultivate the entrepreneurial mindset in today's innovators through interdisciplinary collaboration, team-based experiences, hands-on and community-engaged learning, and focus on socially and globally relevant problem-solving.

### **Objectives:**

YELL and Beedie will explore an opportunity to give students who successfully complete the Program post-secondary credit toward Beedie entrepreneurship programming, in order to provide a clearer path for entrepreneurially minded students into post-secondary entrepreneurship programming. This would involve creating a process whereby successful completion of the YELL program could be claimed toward BUS credit on successful admission to Beedie or to any Faculty at SFU.

Both parties agree that they will seek an arrangement that ideally:

- Does not create any financial burden to students
- Can show rigorous standards of programming and evaluation
- Minimizes necessary administrative work for both parties
- Creates a mutually beneficial relationship between YELL and Beedie.



**Liaison and Coordination:**

Designated representatives from SFU, Beedie and YELL will liaise on an as-needed basis while the pilot is under development, providing leadership and delivery of the steps leading to implementation of the pilot.

**Timeline:**

Please see the attached Appendix I.

**Term:**

This Letter of Intent shall continue from May 12, 2018 to August 31, 2018, at which point it is expected that this letter will be replaced with a Letter of Agreement that outlines the structure and term of the pilot.

Signed:

\_\_\_\_\_  
David Cameron  
Director  
YELL

Date: \_\_\_\_\_

\_\_\_\_\_  
Amit Sandhu  
Director  
YELL

Date: \_\_\_\_\_

\_\_\_\_\_  
Ali Dastmalchian,  
Dean,  
Beedie School of Business, SFU

Date: \_\_\_\_\_

\_\_\_\_\_  
Rummana Khan Hemani  
Registrar and Executive Director, Student Enrollment  
Simon Fraser University

Date: \_\_\_\_\_

## **Appendix I: Proposed steps for pilot**

Exploration towards and running of the proposed pilot is expected to take the follow form, subject to change during the exploration.

*Phase 1 (May 2018-August 2018):* Development of a **Letter of Agreement** which outlines the form the pilot is initially to take, including but not limited to:

- Outline how YELL ensures rigorous quality of programming through standardized curriculum and evaluation
- Identify which BC high schools and school districts implement YELL programming
- Determine how credit for YELL may be awarded by SFU as unassigned BUS 1XX credit, including setting a threshold for credit eligibility
- Determine how credit may be counted toward an entrepreneurship credential, for example, as an elective toward the Charles Chang Certificate in Innovation and Entrepreneurship.
- Determine how Beedie will continually oversee and help with YELL curriculum development
- Determine other ways that Beedie might support YELL, for example, hosting and involvement of annual events, and utilize its student and alumni population as volunteers for YELL programming
- Responsibilities of each party.

*Phase 2 (September 2018-2019):* Begin **outreach and promotion** in partnership with YELL to accelerate awareness and applications to SFU.

*Phase 3 (September 2019-2021):* **Run pilot** for two years, including gathering enrollment data, re-evaluating successes and areas for improvement and culminating with a decision as to whether to extend the partnership past the pilot.



## Calendar Entry Change

### Beedie School of Business Undergraduate Program

Rationale for change: Economics is introducing a new mandatory lower-division "W" course for their students – ECON 220W - and we would like to give Economics/Business Joint Major students the option of choosing between BUS 217W and ECON 220W. The language in the Business portion of the joint major calendar has been updated below to allow this. Economics language updates will be submitted by the Economics department.
Effective term and year: Fall 2019
The following program(s) will be affected by these changes: Business & Economics Joint Major

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

<p>Business and Economics Joint Major BACHELOR OF ARTS OR BACHELOR OF BUSINESS ADMINISTRATION Students may opt for a Bachelor of Arts degree from the Faculty of Arts and Social Sciences, or a Bachelor of Business Administration from the Beedie School of Business. Faculty requirements will be governed by the faculty from which the student chooses to complete a degree.</p> <p>Admission Requirements Economics Admission Requirements Program admission is limited. Entry is via a formal department application. Students may apply for admission to an economics program once 30 units have been completed, ECON 201 is completed with at least a C- grade, the minimum cumulative grade point average (CGPA) is met and the ECON/<del>BUEC</del> program GPA is met.</p> <p>The economics department announces the minimum CGPA below which students will not normally be considered for admission to its programs.</p> <p>Applications with appropriate documentation should be filed with the departmental advisor. Students who are not accepted upon initial application may reapply.</p> <p>Continuation in Economics Program To continue in an economics program, students must maintain a 2.0 CGPA.</p> <p>Beedie School of Business Admission Requirements Joint Major applicants should apply to Beedie through the internal transfer process, which is outlined here, after completing 30 units, including the eight lower division courses</p>
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required for admission. Students must already be accepted to the Economics portion of the Joint Major or be eligible for admission that term.

Students not accepted upon initial application may reapply. Unsuccessful applicants are permitted to appeal.

#### Application Deadlines

Visit <http://beedie.sfu.ca/bba/apply> for application deadlines.

#### Grade Requirements

In addition to normal university grade point average requirements, the Beedie School of Business requires a minimum 2.30 overall SFU Business course grade point average for entry into all 300 and 400 division business courses.

A minimum 2.30 overall SFU Business course grade point average is required for graduation from a Business major, joint major, or double degree program.

For a course to be accepted as fulfilling a prerequisite, or for a lower division requirement, or for a core course to be accepted in a student's program in business, a student must have obtained a minimum grade of C- (C minus).

#### Letters of Permission

The Beedie School of Business Administration does not normally approve letters of permission for students already enrolled at Simon Fraser University.

#### Program Requirements

Students complete 120 units, as specified below.

#### ~~Business~~ Lower Division Requirements

##### **Students complete one of**

**BUS 217W – Critical Thinking in Business (3)**

**ECON 220W – Communication in Economics (4)**

##### ~~Students complete~~ **and all of**

~~BUS 217W – Critical Thinking in Business (3)~~

**MATH 157 - Calculus I for the Social Sciences (3)**

BUS 237 - Introduction to Business Technology Management (3)

BUS 251 - Financial Accounting I (3)

BUS 254 - Managerial Accounting I (3)

BUS 272 - Behavior in Organizations (3)

ECON 103 - Principles of Microeconomics (4)

ECON 105 - Principles of Macroeconomics (4)



**ECON 201 - Microeconomic Theory I: Competitive Behavior (4)**

One additional 200 level ECON course

**Students who earn a grade of A- or better at Simon Fraser University on their first attempt in ECON 201 are exempt from the requirement of one additional 200 division ECON course. These students should see Early Access to Upper Division Courses below for additional program information.**

and one of

BUS 232 - Data and Decisions I (4)

STAT 270 - Introduction to Probability and Statistics (3)

~~and one of~~

~~MATH 150 - Calculus I with Review (4)~~

~~MATH 151 - Calculus I (3)~~

~~MATH 154 - Calculus I for the Biological Sciences (3)~~

~~MATH 157 - Calculus I for the Social Sciences (3)~~

and one of\*

ENGL 111W - Literary Classics in English (3)

ENGL 112W - Literature Now (3)

ENGL 113W - Literature and Performance (3)

ENGL 114W - Language and Purpose (3)

ENGL 115W - Literature and Culture (3)

ENGL 199W - Introduction to University Writing (3)

PHIL 100W - Knowledge and Reality (3)

PHIL 105 - Critical Thinking (3)

PHIL 120W - Moral Problems (3)

WL 101W - Writing in World Literature (3)

WL 103W - Early World Literatures (3)

WL 104W - Modern World Literatures (3)

It is recommended that students complete BUS 202 - Foundations for Collaborative Work Environments (3) in order to ensure they possess the foundational skills in communication and collaboration necessary for successful completion of upper division business coursework. Students wishing to register in BUS 202 should consult with an Undergraduate Academic Advisor in the Beedie School of Business.

\* Any one of these courses may be replaced by any three unspecified transfer units in English or in ENGL-Writing at the 100- or 200-level.

~~Economics Lower Division Requirements~~



~~Students complete the following with at least a C- grade in each course prior to program admission~~

~~ECON 103 - Principles of Microeconomics (4)~~

~~ECON 105 - Principles of Macroeconomics (4)~~

~~ECON 201 - Microeconomic Theory I: Competitive Behavior (4)~~

~~MATH 157 - Calculus I for the Social Sciences (3)~~

~~and both of~~

~~BUEC 232 - Data and Decisions I (4)~~

~~One additional 200 level ECON course~~

~~Students who earn a grade of A- or better at Simon Fraser University on their first attempt in ECON 201 are exempt from the requirement of one additional 200 division ECON or BUEC course. These students should see Early Access to Upper Division Courses below for additional program information.~~

Business Upper Division Requirements

CORE COURSES

Students complete at least 29 upper division units in BUS or BUEC courses, including all of

BUS 312 - Introduction to Finance (4)

BUS 336 - Data and Decisions II (4)

BUS 343 - Introduction to Marketing (3)

BUS 393 - Commercial Law (3)

BUS 478 - Strategy (3) ^

and one of

BUS 374 - Organization Theory (3)

BUS 381 - Introduction to Human Resource Management (3)

BUS 360W is recommended but not required. BUS 360W will be waived as a prerequisite for 400 division BUS courses for those in approved BUS joint programs. BUS 360W must be completed at Simon Fraser University in accordance with the WQB requirements.

BUSINESS 400 DIVISION REQUIREMENT

Students complete two 400 division BUS courses, each worth a minimum of three units (excluding practicum courses and BUS 478).

^ To be completed at Simon Fraser University.

Areas of Concentration

Beyond the core course requirements listed above, students complete three courses within a single area of concentration, as shown below. Students may choose to complete one or more business concentrations by meeting the requirements listed.

### Accounting

Admission to this concentration requires a cumulative grade point average of 2.70 or higher. Students may apply once they have completed their lower division requirements and have either completed or enrolled in both BUS 320 and 360W. Students must have a minimum grade of a C+ in both of these courses before they are admitted to the concentration. Only students admitted to this concentration will be permitted to enroll in upper division (300- and 400-level) accounting courses required for this concentration (with the exception of BUS 320).

Students must complete all\* of

BUS 320 - Financial Accounting: Assets (3)  
 BUS 321 - Financial Accounting: Equities (3)  
 BUS 322 - Intermediate Managerial Accounting (3)  
 BUS 421 - Accounting Theory (3)  
 At least two\* of

BUS 420 - Advanced Accounting (3)  
 BUS 424 - Advanced Managerial Accounting (3)  
 BUS 426 - Auditing and Assurance: Concepts and Methods (3)  
 BUS 427 - Financial Statement Analysis (3)  
 BUS 490 - Selected Topics in Business Administration (3) \*\*  
 BUS 491 - Selected Topics in Business Administration (3) \*\*  
 BUS 492 - Selected Topics in Business Administration (3) \*\*  
 BUS 493 - Selected Topics in Business Administration (3) \*\*  
 BUS 494 - Selected Topics in Business Administration (3) \*\*  
 BUS 495 - Selected Topics in Business Administration (3) \*\*  
 BUS 496 - Selected Topics in Business Administration (5) \*\*

\* Must be completed at SFU.

\*\* When offered as a selected topics course in Accounting.

### Innovation and Entrepreneurship

For this concentration, students complete all of

BUS 314 - Resourcing New Ventures (3)  
 BUS 338 - Foundations of Innovation (3)  
 BUS 361 - Project Management (3)  
 BUS 477 - Startup Experience (4)  
 and one of

BUS 339 - Business of Design II - Iteration and Prototyping (4)  
 BUS 406 - Startup Accelerator (3)

BUS 443 - New Product Development and Design (3)  
 BUS 450 - Managing Emerging Opportunities (3)  
 BUS 453 - Sustainable Innovation (3)  
 BUS 490 - Selected Topics in Business Administration (3) \*\*  
 BUS 491 - Selected Topics in Business Administration (3) \*\*  
 BUS 492 - Selected Topics in Business Administration (3) \*\*  
 BUS 493 - Selected Topics in Business Administration (3) \*\*  
 BUS 494 - Selected Topics in Business Administration (3) \*\*  
 BUS 495 - Selected Topics in Business Administration (3) \*\*  
 BUS 496 - Selected Topics in Business Administration (5) \*\*  
 \*\* When offered as a selected topics course in Innovation and Entrepreneurship.

#### Finance

For this concentration, students complete all of

BUS 312 - Introduction to Finance (4)  
 BUS 315 - Investments (4)  
 BUS 316 - Derivative Securities (3)  
 and two of

BUS 410 - Financial Institutions (3)  
 BUS 413 - Corporate Finance (4)  
 BUS 417 - Security Analysis (4)  
 BUS 418 - International Financial Management (3)  
 BUS 419 - Advanced Derivative Securities (3)  
 BUS 490 - Selected Topics in Business Administration (3) \*\*  
 BUS 491 - Selected Topics in Business Administration (3) \*\*  
 BUS 492 - Selected Topics in Business Administration (3) \*\*  
 BUS 493 - Selected Topics in Business Administration (3) \*\*  
 BUS 494 - Selected Topics in Business Administration (3) \*\*  
 BUS 495 - Selected Topics in Business Administration (3) \*\*  
 BUS 496 - Selected Topics in Business Administration (5) \*\*  
 \*\* When offered as a selected topics course in Finance.

#### Human Resource Management

For this concentration, students complete both of

BUS 374 - Organization Theory (3)  
 BUS 381 - Introduction to Human Resource Management (3)  
 and three of

BUS 432 - International Human Resource Management (3)  
 BUS 481 - Recruitment and Selection (3)  
 BUS 482 - Performance Management (3)



BUS 483 - Introduction to Employment Law For Business (3)  
 BUS 484 - Employment Systems (3)  
 BUS 485 - Negotiations and Conflict Management (3)  
 BUS 486 - Leadership (3)  
 BUS 487 - Organizational Development and Change Management (3)  
 BUS 488 - Group Dynamics and Teamwork (3)  
 BUS 489 - Management Practices for Sustainability (3)  
 BUS 490 - Selected Topics in Business Administration (3) \*\*  
 BUS 491 - Selected Topics in Business Administration (3) \*\*  
 BUS 492 - Selected Topics in Business Administration (3) \*\*  
 BUS 493 - Selected Topics in Business Administration (3) \*\*  
 BUS 494 - Selected Topics in Business Administration (3) \*\*  
 BUS 495 - Selected Topics in Business Administration (3) \*\*  
 BUS 496 - Selected Topics in Business Administration (5) \*\*

OPTION A

It is recommended that students who wish to become a personnel specialist in a human resource function complete three of

BUS 432 - International Human Resource Management (3)  
 BUS 481 - Recruitment and Selection (3)  
 BUS 482 - Performance Management (3)  
 BUS 484 - Employment Systems (3)

OPTION B

It is recommended that students who wish to develop skills in managing people, including employment systems design, change and organizational leadership, complete three of

BUS 485 - Negotiations and Conflict Management (3)  
 BUS 486 - Leadership (3)  
 BUS 487 - Organizational Development and Change Management (3)  
 BUS 488 - Group Dynamics and Teamwork (3)  
 BUS 489 - Management Practices for Sustainability (3)

\*\* When offered as a selected topics course in Human Resource Management.

International Business

For this concentration, students complete

BUS 346 - Global Business Environment (3)  
 and three of

BUS 418 - International Financial Management (3)  
 BUS 430 - Cross-Cultural Management (3)  
 BUS 431 - Business with East Asian Countries (3)  
 BUS 432 - International Human Resource Management (3)  
 BUS 434 - Foreign Market Entry (3)

BUS 435 - Management of International Firms (3)  
 BUS 447 - Global Marketing Management (3)  
 BUS 490 - Selected Topics in Business Administration (3) \*\*  
 BUS 491 - Selected Topics in Business Administration (3) \*\*  
 BUS 492 - Selected Topics in Business Administration (3) \*\*  
 BUS 493 - Selected Topics in Business Administration (3) \*\*  
 BUS 494 - Selected Topics in Business Administration (3) \*\*  
 BUS 495 - Selected Topics in Business Administration (3) \*\*  
 BUS 496 - Selected Topics in Business Administration (5) \*\*  
 Other 400 division courses deemed to have significant international business relevance may, with prior faculty permission, be substituted for the above 400 division courses. These may be offered in another faculty. A course substitution for International Business cannot be used for any other concentration.

Students concentrating in international business are strongly advised to consider combining it with another business concentration.

#### Management Information Systems

For this concentration, students complete all of

BUS 361 - Project Management (3)  
 BUS 362 - Business Process Analysis (4)  
 BUS 468 - Managing Information Technology for Business Value (3)  
 and two of

BUS 462 - Business Analytics (3)  
 BUS 464 - Business Data Management (3)  
 BUS 465 - Business Systems Development (3)  
 BUS 466 - Web-Enabled Business (3)  
 BUS 490 - Selected Topics in Business Administration (3) \*\*  
 BUS 491 - Selected Topics in Business Administration (3) \*\*  
 BUS 492 - Selected Topics in Business Administration (3) \*\*  
 BUS 493 - Selected Topics in Business Administration (3) \*\*  
 BUS 494 - Selected Topics in Business Administration (3) \*\*  
 BUS 495 - Selected Topics in Business Administration (3) \*\*  
 BUS 496 - Selected Topics in Business Administration (5) \*\*

\*\* When offered as a selected topics course in Management Information Systems.

#### Operations Management

For this concentration, students complete both of

BUS 336 - Data and Decisions II (4)  
 BUS 473 - Operations Management (4)  
 and two of



BUS 437 - Decision Analysis in Business (3)  
 BUS 440 - Simulation in Management Decision-making (4)  
 BUS 445 - Customer Analytics (3)  
 BUS 474 - Supply Chain Management (3)  
 BUS 475 - Sustainable Operations (3)  
 BUS 490 - Selected Topics in Business Administration (3) \*\*  
 BUS 491 - Selected Topics in Business Administration (3) \*\*  
 BUS 492 - Selected Topics in Business Administration (3) \*\*  
 BUS 493 - Selected Topics in Business Administration (3) \*\*  
 BUS 494 - Selected Topics in Business Administration (3) \*\*  
 BUS 495 - Selected Topics in Business Administration (3) \*\*  
 BUS 496 - Selected Topics in Business Administration (5) \*\*  
 \*\* When offered as a selected topics course in Operations Management.

#### Marketing

For this concentration, students complete all of

BUS 343 - Introduction to Marketing (3)  
 BUS 345 - Marketing Research (4)  
 BUS 347 - Consumer Behavior (3)  
 and three of

BUS 441 - Web Analytics (3)  
 BUS 443 - New Product Development and Design (3)  
 BUS 444 - Business to Business Marketing (3)  
 BUS 445 - Customer Analytics (3)  
 BUS 446 - Marketing Strategy (4)  
 BUS 447 - Global Marketing Management (3)  
 BUS 448 - Integrated Marketing Communications (4)  
 BUS 449 - Ethical Issues in Marketing (3)  
 BUS 455 - Product & Brand Management (3)  
 BUS 459 - Services Marketing (3)  
 BUS 490 - Selected Topics in Business Administration (3) \*\*  
 BUS 491 - Selected Topics in Business Administration (3) \*\*  
 BUS 492 - Selected Topics in Business Administration (3) \*\*  
 BUS 493 - Selected Topics in Business Administration (3) \*\*  
 BUS 494 - Selected Topics in Business Administration (3) \*\*  
 BUS 495 - Selected Topics in Business Administration (3) \*\*  
 BUS 496 - Selected Topics in Business Administration (5) \*\*  
 \*\* When offered as a selected topics course in Marketing.

#### Strategic Analysis

For this concentration, students complete



BUS 478 - Strategy (3)  
and three of

BUS 371 - Critical Thinking Through Business Case Analysis (3)

BUS 470 - Business Applications of Game Theory (3)

BUS 471 - Strategic Decision Making (3)

BUS 479 - Strategy Analysis Practicum (3)

BUS 490 - Selected Topics in Business Administration (3) \*\*

BUS 491 - Selected Topics in Business Administration (3) \*\*

BUS 492 - Selected Topics in Business Administration (3) \*\*

BUS 493 - Selected Topics in Business Administration (3) \*\*

BUS 494 - Selected Topics in Business Administration (3) \*\*

BUS 495 - Selected Topics in Business Administration (3) \*\*

BUS 496 - Selected Topics in Business Administration (5) \*\*

Students concentrating in Strategic Analysis are strongly advised to consider combining it with another business concentration.

\*\* When offered as a selected topics course in Strategic Analysis

#### Economics Upper Division Requirements

Students complete at least 25 upper division units in ECON courses including all of

ECON 333 - Statistical Analysis of Economic Data (4)

ECON 302 - Microeconomic Theory II: Strategic Behavior (4)

ECON 305 - Intermediate Macroeconomic Theory (4)

and at least one 400 division ECON (excluding ECON 431 and 435). ~~\*Note that BUEC courses may count only once as business units or as economics units.~~

#### Early Access to Upper Division Courses

Students normally cannot enter ECON upper division courses during the first 60 units, but for those who have the minimum Simon Fraser University grade point average required to access upper division ECON/~~BUEC~~ courses, the following exceptions are permitted.

Students who earn a grade of A- or better at Simon Fraser University on their first attempt in ECON 201 may enrol in ECON 302 and 305, and all courses for which they have satisfied the prerequisites, once 30 units is completed.

Students who earn an A- grade or better at Simon Fraser University on their first attempt in ~~BUEC~~ BUS 232 or STAT 270 may enrol for ~~ECON-BUEC~~ 333 once they have completed 30 units. These upper division courses will count towards Department of Economics and Simon Fraser University upper division requirements. See ECON course descriptions for access information.

### Faculty of Arts and Social Sciences Degree Requirements

For all bachelor of arts (BA) programs, students complete 120 units, which includes

at least 60 units that must be completed at Simon Fraser University

at least 45 upper division units, of which at least 30 upper division units must be completed at Simon Fraser University

at least 65 units (including 21 upper division units) in Faculty of Arts and Social Sciences courses

satisfaction of the writing, quantitative, and breadth requirements

an overall cumulative grade point average (CGPA) and upper division CGPA of at least 2.0, and a program (major, joint major, extended minor, minor) CGPA and upper division CGPA of at least 2.0

#### Writing, Quantitative, and Breadth Requirements

Students admitted to Simon Fraser University beginning in the fall 2006 term must meet writing, quantitative and breadth requirements as part of any degree program they may undertake. See Writing, Quantitative, and Breadth Requirements for university-wide information.

#### WQB Graduation Requirements

A GRADE OF C- OR BETTER IS REQUIRED TO EARN W, Q OR B CREDIT

Requirement

Units

#### Notes

W - Writing

6

Must include at least one upper division course, taken at Simon Fraser University within the student's major subject

Q - Quantitative

6

Q courses may be lower or upper division

B - Breadth

18

Designated Breadth Must be outside the student's major subject, and may be lower or upper division

6 units Social Sciences: B-Soc

6 units Humanities: B-Hum

6 units Sciences: B-Sci

6

**Additional Breadth** 6 units outside the student's major subject (may or may not be B-designated courses, and will likely help fulfil individual degree program requirements)

Students choosing to complete a joint major, joint honours, double major, two extended minors, an extended minor and a minor, or two minors may satisfy the breadth requirements (designated or not designated) with courses completed in either one or both program areas.

#### Business Career Passport Requirements

Students who are admitted to the Beedie School of Business beginning in the Fall 2012 term will complete the Business Career Passport.

Students who are admitted to the Beedie School of Business beginning in the Fall 2017 term will complete the Business Career Passport as part of the Business Foundation Program within 12 months of the start of their program.

During the BBA program, students register in and complete six mandatory Business Career Passport workshops. The workshops may be completed in any order.

Enrollment and participation in workshops must be recorded with the Career Management Centre. For more information about the workshops, or to register, visit the Beedie Community link on the Career Management Centre website.

#### Residency Requirements and Transfer Credit

At least half of the program's total units must be earned through Simon Fraser University study.

At least two thirds of the program's total upper division units must be earned through Simon Fraser University study.

#### Elective Courses

In addition to the courses listed above, students should consult an academic advisor to plan the remaining required elective courses.



**Calendar Entry Change****Name of Program or Name of Faculty** School for the Contemporary Arts, FCAT

Rationale for change:

- 1) to align with SFU honours program requirements to require 120 units, including min 60 upper division units including min 48 units in the honours subject of field.
- 2) to align with the new standard of linking to standard SFU program requirements
- 3) to standardize language regarding history/theory courses within the SCA

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Theatre (Production and Design Stream) Honours

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

**Program Requirements**

~~Students complete 132 units, as specified below.~~ **Students complete SFU Honours Degree Requirements. See**  
<https://www.sfu.ca/students/calendar/fees-and-regulations/credentials-offered/definitions.html#honours1>

**Lower Division Requirements**

Students complete a minimum of 42 units including

Three core courses below

CA 149 - Sound (3)

CA 186 - Art and the Moving Image (3)

CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

plus one additional CA history/**theory** course outside their major\*  
and all of

CA 150 - Introduction to Acting (3)

CA 170 - Introduction to Production Technology (3)

CA 171 - Introduction to Stage and Production Management (3)

CA 257W - Context of Theatre I (3)

CA 270 - Production Ensemble I (6)

CA 271 - Production Ensemble II (6)

and one of

CA 120 - Introduction to Dance Forms: Contemporary and Popular (3)

CA 124 - Dance Improvisation and Composition (3)

CA 129 - Movement Fundamentals (3)

and one of

CA 160 - Introductory Studio in Visual Art I (3)

CA 161 - Introductory Studio in Visual Art II (3)

\* See advisor for course options.

### Upper Division Requirements

Students complete a minimum of **51 48** units, including all of

CA 357W - Context of Theatre II (3)

CA 370 - Production Ensemble III (6)

CA 371 - Production Ensemble IV (6)

CA 374 - Stage Lighting (4)

CA 375 - Stage Design (4)

and nine units from below

CA 325 - Special Project in Dance Composition (3)

CA 352 - Mainstage Playmaking (3) +

CA 353 - BlackBox Performance (4) +

CA 450 - Mainstage Performance (4) +

CA 453 - Directing/Performance (4)

CA 457 - Context of Theatre III (4)

CA 470 - Production Ensemble V (6)

CA 471 - Production Ensemble VI (6)

CA 485 - Interdisciplinary Collaboration in Contemporary Arts (5)

CA 489 - Interdisciplinary Project in Contemporary Arts (5) +

and **an additional 32 units of upper division credit remaining required units chosen from upper division CA courses (placement in courses is based on prerequisites and/or permission of the instructor). See advisor for course options.**

A maximum of 8 upper division units may come from outside CA (placement **in** courses is based on prerequisites and/or permission of the instructor).

+ may not be completed more than once for credit

### Calendar Entry Change

**Name of Program or Name of Faculty** School for the Contemporary Arts, FCAT

Rationale for change:

- 1) to align with SFU honours program requirements to require 120 units, including min 60 upper division units including min 48 units in the honours subject of field.
- 2) to align with the new standard of linking to standard SFU program requirements

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Art, Performance and Cinema Studies Honours

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

### Program Requirements

~~Students complete 132 units including the program requirements as specified below.~~

**Students complete SFU Honours Degree Requirements. See**

**<https://www.sfu.ca/students/calendar/fees-and-regulations/credentials-offered/definitions.html#honours1>**

#### Lower Division Requirements for Both Streams

Students in both streams complete a total of 27 units including all of:

CA 137 - The History and Aesthetics of Cinema II (3)

CA 118 - Visual Art and Culture II (3)

CA 186 - Art and the Moving Image (3)

CA 210W - Artworks, Theories, Contexts (3)

#### Art and Performance Studies Stream

##### Lower Division Requirements

In addition to the lower division courses required for both streams, students in the Art and Performance Studies stream must complete:

CA 117 - Visual Art and Culture I (3)

Plus six units from below:

CA 136 - The History and Aesthetics of Cinema I (3)

CA 140 - Music after 1900 (3)



CA 227 - History of Dance: From the 20th Century to the Present (3)  
 CA 228W - Dance Aesthetics (3)  
 CA 235 - Experimental Film and Video (3)  
 CA 257W - Context of Theatre I (3)  
 HUM 211 - Art and Literature of the Italian Renaissance (3)  
 And six units from below:  
 CA 120 - Introduction to Dance Forms: Contemporary and Popular (3)  
 CA 129 - Movement Fundamentals (3)  
 CA 150 - Introduction to Acting (3)  
 CA 160 - Introductory Studio in Visual Art I (3).  
 CA 170 - Introduction to Production Technology (3)  
 CA 243 - Gamelan I (3)  
 CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)  
 SA 245 - Cultures and Images (A) (4)

### Upper Division Requirements

Students are encouraged to plan in advance, as some upper division courses may not be offered each year. Students who wish to complete upper division courses must make sure they have the disciplinary prerequisites and should be aware that studio courses may have limited enrolments.

Students complete a minimum of **40 48** units from the list below, including a minimum 12 units within CA:

CMNS 334 - Cultural Policy (4)  
 CA 312 - Selected Topics in Art and Culture Studies (3) \*  
 CA 314 - Readings in the History of Art and Culture (3) \*  
 CA 317 - Introduction to Performance Studies (4)  
 CA 319W - Critical Writing in the Arts (3)  
 CA 335 - Introduction to Film Theory (4)  
 CA 337 - Intermediate Selected Topics in Film and Video Studies (4)  
 CA 341 - World Music (3)  
 CA 359 - Selected Topics in Theatre (3)  
 CA 389 - Selected Topics in the Fine and Performing Arts II (3)  
 CA 401 - Directed Studies (Theory/History) (3)  
 CA 406 - Internship in Contemporary Arts II (4)  
 CA 412W - Advanced Seminar in Art and Culture Studies (4) \*  
 CA 414 - Advanced Topic in the History of Art and Culture (3) \*  
 CA 436 - Advanced Seminar in Film and Video Studies (4)  
 CA 485 - Interdisciplinary Collaboration in Contemporary Arts (5)  
 CA 489 - Interdisciplinary Project in Contemporary Arts (5)  
 GSWS 431 - Local Sex on Global Screen (4)  
 HUM 309 - Literatures and the Arts Across Cultures (4)  
 HUM 311 - Italian Renaissance Humanism (4)  
 HUM 385 - Selected Topics in European Studies (4)  
 HUM 422 - The Humanities and the Critique of Culture (4)

SA 460 - Special Topics in Sociology and Anthropology I (SA) (4)

Other CA courses can be substituted for courses on this list with permission from area.

\* may be completed more than once for credit if the topic changes.

## Cinema Studies Stream

### Lower Division Requirements

In addition to the lower division courses required for both streams, students in the Cinema Studies stream must complete:

CA 136 - The History and Aesthetics of Cinema I (3)

One of:

CA 235 - Experimental Film and Video (3) \*\*\*

CA 236 - Cinema in Canada (3)

CA 237 - Selected Topics in Film and Video Studies (3) \*\*\*

And one of:

CA 140 - Music after 1900 (3)

CA 117 - Visual Art and Culture I (3)

CA 227 - History of Dance: From the 20th Century to the Present (3)

CA 228W - Dance Aesthetics (3)

CA 257W - Context of Theatre I (3)

HUM 211 - Art and Literature of the Italian Renaissance (3)

Plus six units from below:

CA 120 - Introduction to Dance Forms: Contemporary and Popular (3)

CA 129 - Movement Fundamentals (3)

CA 150 - Introduction to Acting (3)

CA 160 - Introductory Studio in Visual Art I (3)

CA 170 - Introduction to Production Technology (3)

CA 238W - Screenwriting I (3)

CA 243 - Gamelan I (3)

CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

SA 245 - Cultures and Images (A) (4)

\*\*\* Cannot be repeated for credit within the degree requirements

### Upper Division Requirements

Students are encouraged to plan in advance, as some upper division courses may not be offered each year. Students who wish to complete upper division courses must make sure they have the disciplinary prerequisites and should be aware that studio courses may have limited enrolments.

Students must complete a minimum of **40 48** units, including all of:

CA 335 - Introduction to Film Theory (4)

CA 337 - Intermediate Selected Topics in Film and Video Studies (4) \*

CA 436 - Advanced Seminar in Film and Video Studies (4) \*

Remaining units can be drawn from the list below:

CMNS 310 - Media and Modernity (4)



CMNS 322 - Documentary Media (4)  
 CMNS 334 - Cultural Policy (4)  
 ENGL 376 - Special Studies (4) +  
 ENGL 383 - Studies in Popular Literature and Culture (4) +  
 ENGL 484W - Topics in Media, Culture and Performance (4)  
 ENGL 486W - Topics in Gender, Sexuality and Literature (4) +  
 CA 308 - Contemporary Arts Field School I (Theory/History) (4) \*\*  
 CA 312 - Selected Topics in Art and Culture Studies (3) \*\*  
 CA 314 - Readings in the History of Art and Culture (3) +  
 CA 317 - Introduction to Performance Studies (4)  
 CA 319W - Critical Writing in the Arts (3)  
 CA 337 - Intermediate Selected Topics in Film and Video Studies (4) \*  
 CA 338W - Screenwriting II (3)  
 CA 389 - Selected Topics in the Fine and Performing Arts II (3) \*\*  
 CA 401 - Directed Studies (Theory/History) (3)  
 CA 406 - Internship in Contemporary Arts II (4)  
 CA 408 - Contemporary Arts Field School III (Theory/History) (4) \*\*  
 CA 412W - Advanced Seminar in Art and Culture Studies (4) +  
 CA 414 - Advanced Topic in the History of Art and Culture (3) +  
 CA 436 - Advanced Seminar in Film and Video Studies (4) \*  
 CA 485 - Interdisciplinary Collaboration in Contemporary Arts (5)  
 CA 489 - Interdisciplinary Project in Contemporary Arts (5)  
 FREN 352 - French and Francophone Cultures through Films and/or Media Texts (3) \*\*  
 FREN 452 - Topics in French and Francophone Cultures or Cinemas (3) \*\*  
 GSWS 401 - Research Project (5)  
 HIST 433W - Italian Films, Italian Histories (4)  
 HUM 309 - Literatures and the Arts Across Cultures (4)  
 HUM 311 - Italian Renaissance Humanism (4)  
 HUM 385 - Selected Topics in European Studies (4)  
 HUM 422 - The Humanities and the Critique of Culture (4)  
 SA 460 - Special Topics in Sociology and Anthropology I (SA) (4)  
 Other CA courses can be substituted for courses on this list with permission from area.  
 \* Can be repeated as an elective if the topic of the course changes.  
 \*\* Only when the topic is cinema/media/theory of relevance; prior approval required.  
 + Can be repeated as an elective if the topic of the course changes. Only when the topic is cinema/media/theory of relevance; prior approval required.



### Calendar Entry Change

**Name of Program or Name of Faculty** School for the Contemporary Arts, FCAT

<p>Rationale for change:</p> <p>1) to align with SFU honours program requirements to require 120 units, including min 60 upper division units including min 48 units in the honours subject of field.</p> <p>2) to align with the new standard of linking to standard SFU program requirements</p> <p>3) to standardize language regarding history/theory courses within the SCA</p>
<p>Effective term and year:</p> <p>Fall 2019</p>
<p>The following program(s) will be affected by these changes:</p> <p>Dance Honours</p>

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

### Program Requirements

Students complete a minimum of 132 units, 24 of which must satisfy the writing, quantitative and breadth (WQB) requirements and 45 units must be in upper division courses. **Students complete SFU Honours Degree Requirements. See <https://www.sfu.ca/students/calendar/fees-and-regulations/credentials-offered/definitions.html#honours1>**

#### Lower Division Requirements

Students complete a minimum total of 45 units including:

Three core courses below:

CA 149 - Sound (3)

CA 186 - Art and the Moving Image (3)

CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

Plus one additional CA history/**theory** course outside their major.\*  
and all of

CA 122 - Contemporary Dance I (5)

CA 123 - Contemporary Dance II (5)

CA 124 - Dance Improvisation and Composition (3)

CA 129 - Movement Fundamentals (3)

CA 220 - Contemporary Dance III (4)

CA 221 - Contemporary Dance IV (4)

CA 227 - History of Dance: From the 20th Century to the Present (3)  
 CA 228W - Dance Aesthetics (3)  
 and three additional units in lower division CA courses outside of dance from below  
 CA 150 - Introduction to Acting (3)  
 CA 160 - Introductory Studio in Visual Art I (3)  
 CA 170 - Introduction to Production Technology (3)  
 CA 171 - Introduction to Stage and Production Management (3)  
 \* See advisor for course options.

### Upper Division Requirements

Students complete a minimum of **46 48** units including all of

CA 320 - Contemporary Dance V (4)

CA 321 - Contemporary Dance VI (4)

CA 324 - New Dance Composition (3)

and one of

CA 420 - Contemporary Dance VII (4)

CA 421 - Contemporary Dance VIII: Choreography Lab (4)

and 14 units selected from the following

CA 322 - Intermediate Ballet I (3)

CA 323 - Intermediate Ballet II (3)

CA 325 - Special Project in Dance Composition (3) \*

CA 326 - Repertory I (5) \*

CA 327 - Repertory II (5) \*

CA 420 - Contemporary Dance VII (4) +

CA 421 - Contemporary Dance VIII: Choreography Lab (4) +

CA 425 - Intensive Studies in Performance (5) \*

CA 426 - Dance/Movement Analysis (3) +

CA 427 - Advanced Ballet I (3)

CA 428 - Advanced Ballet II (3)

and **17 the remaining required units chosen from CA upper division courses** including one upper division history-~~or~~/ theory course (placement in courses is based on prerequisites and/or permission of the instructor).

\* May be completed more than once for credit.

\*\* Other dance related courses may be substituted with permission of the school.

+ May not be completed more than once for credit.

## Calendar Entry Change

**Name of Program or Name of Faculty** School for the Contemporary Arts, FCAT

Rationale for change:

- 1) to align with SFU honours program requirements to require 120 units, including min 60 upper division units including min 48 units in the honours subject of field.
- 2) to align with the new standard of linking to standard SFU program requirements
- 3) to standardize language regarding history/theory courses within the SCA

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Visual Art Honours

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Program Requirements

~~Students complete 132 units, as specified below.~~ **Students complete SFU Honours**

**Degree Requirements. See**

**<https://www.sfu.ca/students/calendar/fees-and-regulations/credentials-offered/definitions.html#honours1>**

### Lower Division Requirements

Students complete a minimum of 39 units including

Three core courses below:

CA 149 - Sound (3)

CA 186 - Art and the Moving Image (3)

CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

Plus one additional CA history/**theory** course outside their major.  
and all of

CA 160 - Introductory Studio in Visual Art I (3)

CA 161 - Introductory Studio in Visual Art II (3)

CA 117 - Visual Art and Culture I (3)

CA 118 - Visual Art and Culture II (3)

CA 210W - Artworks, Theories, Contexts (3)

CA 260 - Studio in Visual Art I (3)

CA 261 - Studio in Visual Art II (3)

and six units of



CA 262 - Methods and Concepts: Drawing-based Practices (3)

CA 263 - Methods and Concepts: Painting-based Practices (3)

CA 264 - Methods and Concepts: Sculptural Practices (3)

CA 265 - Methods and Concepts: Photo-based Practices (3)

CA 269 - Methods and Concepts: Selected Topics (3) \*

\* may be completed more than once for credit under a different topic. Topics may change every term and include, but are not limited to, installation practices, performance practices, digital 2D practices, and time-based media practices. Contact the general office for further information.

+ See advisor for course options.

### Upper Division Requirements

Students complete a minimum of ~~46~~ 48 units including all of

CA 360 - Studio in Visual Art III (4)

CA 361 - Studio in Visual Art IV (4)

CA 366 - Seminar in Visual Art I (3)

CA 367 - Seminar in Visual Art II (3)

CA 460 - Studio in Visual Art V (4)

CA 461 - Studio in Visual Art VI (5)

CA 462 - Honours Studio in Visual Art (5)

and six units of

CA 362 - Methods and Concepts: Drawing-based Practices (3)

CA 363 - Methods and Concepts: Painting Practices (3)

CA 364 - Methods and Concepts: Sculptural Practices (3)

CA 365 - Methods and Concepts: Photo-based Practices (3)

CA 369 - Methods and Concepts: Selected Topics (3) \*

and ~~nine CA upper division units including~~ one of

CA 312 - Selected Topics in Art and Culture Studies (3)

CA 314 - Readings in the History of Art and Culture (3)

CA 317 - Introduction to Performance Studies (4)

CA 319W - Critical Writing in the Arts (3)

CA 412 - Advanced Seminar in Art and Culture Studies (4)

CA 414 - Advanced Topic in the History of Art and Culture (3)

and the remaining ~~three~~ required units chosen from CA upper division courses (placement in courses is based on prerequisites and/or permission of the instructor)

\* may be completed more than once for credit under a different topic. Topics may change every term and include, but are not limited to, installation practices, performance practices, digital 2D practices, and time-based media practices. Contact the general office for further information.

### Calendar Entry Change

**Name of Program or Name of Faculty** School for the Contemporary Arts, FCAT

Rationale for change:

--to align with the new standard of linking to standard SFU program requirements  
--to standardize language regarding history/theory courses within the SCA

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Film Honours

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

#### Program Requirements

~~Students complete 132 units, as specified below.~~ **Students complete SFU Honours**

**Degree Requirements. See**

**<https://www.sfu.ca/students/calendar/fees-and-regulations/credentials-offered/definitions.html#honours1>**

Entry to all first year film production courses required for the major is by questionnaire and interview. Contact the school in early January prior to attendance at the University to request an information letter and questionnaire.

#### Lower Division Requirements

Students complete a minimum of 44 units including

Three core courses below:

CA 149 - Sound (3)

CA 186 - Art and the Moving Image (3)

CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

Plus one additional CA history/**theory** course outside their major and all of

CA 130 - Fundamentals of Film (4)

CA 131 - Filmmaking I (4)

CA 136 - The History and Aesthetics of Cinema I (3)

CA 137 - The History and Aesthetics of Cinema II (3)

CA 230 - Filmmaking II (5)

CA 231 - Filmmaking III (5)

CA 233 - The Techniques of Film (2)

and one of

CA 235 - Experimental Film and Video (3)

CA 236 - Cinema in Canada (3) ++

CA 237 - Selected Topics in Film and Video Studies (3) \*\*\*

and one of

CA 232 - Film Sound (3)

CA 238W - Screenwriting I (3)

\* with prior approval, students may substitute lower division courses from other departments devoted to a film or video topic to fulfill this requirement

\*\*\* may be repeated under another topic

+ See advisor for course options.

++ highly recommended

### Upper Division Requirements

Students complete a minimum of 48 units including twelve units from

CA 335 - Introduction to Film Theory (4) \*\*

CA 337 - Intermediate Selected Topics in Film and Video Studies (4) \*\*\*

CA 436 - Advanced Seminar in Film and Video Studies (4) \*\*\*

and a minimum of 17 units chosen from

CA 332 - Film Production Seminar (3)

CA 334 - Selected Topics in Film and Video Production (3)

CA 338W - Screenwriting II (3)

CA 339 - Directing and Acting for Film and Video (3)

CA 386 - Film Music: An Overview of the Relationship between Music and Moving Pictures (3)

CA 390 - Filmmaking IV (4)

CA 393 - Filmmaking V (4)

CA 430 - Filmmaking VI (6)

CA 432 - Filmmaking VII (6)

and one of

CA 312 - Selected Topics in Art and Culture Studies (3) †

CA 314 - Readings in the History of Art and Culture (3)

CA 317 - Introduction to Performance Studies (4) †

CA 412 - Advanced Seminar in Art and Culture Studies (4) †

CA 414 - Advanced Topic in the History of Art and Culture (3) †

or another upper division CA history/theory course outside the major

and the remaining required units chosen from CA upper division courses (placement in courses is based on prerequisites and/or permission of the instructor). See advisor for course options.

\* with prior approval, students may substitute upper division courses devoted to a film or video studies topic in other departments, or in directed study in film studies, to fulfil this requirement

\*\* recommended

\*\*\* may be repeated under another topic

† may not be completed more than once for credit





### Calendar Entry Change

Name of Program or Name of Faculty School for the Contemporary Arts, FCAT

Rationale for change:

- 1) to align with SFU honours program requirements to require 120 units, including min 60 upper division units including min 48 units in the honours subject of field.
- 2) to align with the new standard of linking to standard SFU program requirements
- 3) to standardize language regarding history/theory courses within the SCA

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Music Honours

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

### Program Requirements

~~Students complete 132 units, as specified below.~~ **Students complete SFU Honours Degree Requirements. See**  
**<https://www.sfu.ca/students/calendar/fees-and-regulations/credentials-offered/definitions.html#honours1>**

#### Lower Division Requirements

Students complete a minimum of 36 units, including

Three core courses below:

CA 149 - Sound (3)

CA 186 - Art and the Moving Image (3)

CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

Plus one additional CA history/**theory** course outside their major.  
and all of

CA 140 - Music after 1900 (3)

CA 145 - Introduction to Music Composition and Theory (3)

CA 146 - Introduction to Music Composition and Theory II (3)

CA 245 - Music Composition I (3)

and three of

CA 243 - Gamelan I (3)

CA 246 - Music Composition II (3)

CA 247 - Electroacoustic Music I (3)

CA 248 - Conducting I (3)  
CA 249 - Selected Topics in Music I (3)  
CMNS 258 - History of Sound in Media (3)  
and one additional CA studio course from outside of the music discipline  
+ See advisor for course options.

### Upper Division Requirements

Students complete a minimum of **46 48** units.

### Composition Stream

Students who choose this stream will complete all of

CA 345 - Music Composition III (4)

CA 346 - Music Composition IV (4)

CA 445 - Music Composition V (4)

CA 446 - Senior Project in Music Composition (5)

and a minimum of 11 units chosen from

CA 341 - World Music (3)

CA 343 - Gamelan II (3)

CA 344 - Contemporary Music Analysis and Criticism (3)

CA 347 - Electroacoustic Music II (4)

CA 348 - Conducting II (3)

CA 349 - Selected Topics in Music II (3)

CA 386 - Film Music: An Overview of the Relationship between Music and Moving Pictures (3)

CA 443 - Gamelan III (3)

CA 447 - Computer Music Composition (4)

and a minimum of six CA units chosen from outside the major (CMNS 358 or 359 may be substituted)

and the remaining **12** required units chosen from CA upper division courses **in courses-**  
(placement is based on prerequisites and/or permission of the instructor). See advisor for course options.

### Electroacoustic Stream

Students who choose this stream will complete all of

CA 347 - Electroacoustic Music II (4)

CA 447 - Computer Music Composition (4)

and a minimum of 17 units chosen from

CMNS 358 - Sound Recording: Theory and Design (4)

CMNS 359 - Sound Studies II: Researching with Sound (4)

CA 341 - World Music (3)

CA 343 - Gamelan II (3)

CA 344 - Contemporary Music Analysis and Criticism (3)

CA 345 - Music Composition III (4)

CA 346 - Music Composition IV (4)



CA 348 - Conducting II (3)

CA 349 - Selected Topics in Music II (3)

CA 386 - Film Music: An Overview of the Relationship between Music and Moving Pictures (3)

CA 443 - Gamelan III (3)

CA 445 - Music Composition V (4)

and a minimum of six CA units chosen from outside the major.

and the remaining **15 required** units chosen from CA upper division courses (placement in courses is based on prerequisites and/or permission of the instructor). See advisor for course options.





### Calendar Entry Change

Name of Program or Name of Faculty School for the Contemporary Arts, FCAT

Rationale for change:

- 1) to align with SFU honours program requirements to require 120 units, including min 60 upper division units including min 48 units in the honours subject of field.
- 2) to align with the new standard of linking to standard SFU program requirements
- 3) to standardize language regarding history/theory courses within the SCA

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Theatre (Performance Stream) Honours

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

### Program Requirements

~~Students complete 120 units, as specified below.~~ **Students complete SFU Honours Degree Requirements. See <https://www.sfu.ca/students/calendar/fees-and-regulations/credentials-offered/definitions.html#honours1>**

#### Lower Division Requirements

Students complete the following

Three core courses below

CA 149 - Sound (3)

CA 186 - Art and the Moving Image (3)

CA 285 - Interdisciplinary Studio - Composition/Collaboration (3)

Plus one additional CA history/**theory** course outside their major\*.  
and all of

CA 152 - Acting I: Thinking as an Artist (3)

CA 153 - Acting II: Playing with Form (3)

CA 250 - Acting III: Composing Through Materials (3)

CA 251 - Acting IV: Text as Action (3)

CA 252 - Playmaking (3)

CA 253 - BlackBox Playmaking (3)

CA 254 - Voice/Movement I (4)

CA 255 - Voice/Movement II (4)



CA 257W - Context of Theatre I (3)  
and two of  
CA 170 - Introduction to Production Technology (3)  
CA 171 - Introduction to Stage and Production Management (3)  
CA 270 - Production Ensemble I (6)  
CA 271 - Production Ensemble II (6)  
\* See advisor for course options.

#### Upper Division Requirements

Students complete a minimum of 48 CA units, including all of

CA 350 - Acting V: Text in Dramatic Forms (3)  
CA 351 - Acting VI: The Artist in Ensemble Process (3)  
CA 353 - BlackBox Performance (4)  
CA 354 - Voice/Movement III (2)  
CA 355 - Voice/Movement IV (2)  
CA 357W - Context of Theatre II (3)  
CA 450 - Mainstage Performance (4)  
CA 453 - Directing/Performance (4)  
CA 457 - Context of Theatre III (4)

**and the remaining required units chosen from CA upper division courses** ~~plus an additional 19 upper division CA units~~  
~~plus an additional 25 units of upper division credit~~



## Calendar Entry Change Communication Minor

Rationale for change:

Communication is in the process of standardizing the formatting and information included in each of its program pages to ensure consistency and clarity in all calendar entries.

We are also updating admission and continuation requirements to align with other Communication programs.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:  
Communication Minor

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Communication Minor

This minor explores, analyzes, and critically evaluates some of the diverse dimensions of communication, including media and culture; technology and society; political economy and policy.

~~This program, along with another minor or extended minor in a relevant department, may be completed as part of a Faculty of Arts and Social Sciences, or Faculty of Communication, Art and Technology BA degree.~~

## Admission Requirements

Admission is based on a grade point average of Communication courses (CMNS GPA).

Applicants will have a minimum 2.50 Communication grade point average (CMNS GPA) and ~~2.00 cumulative grade point average (CGPA) or transfer grade point average (GPA)~~ upon completion of the lower division requirements.

## Continuance Requirements



A minimum 2.25 CMNS GPA and 2.00 CGPA is required to remain in good standing in the program.

## Program Requirements

### Lower Division Requirements

Students complete, with a grade of C- or better, both of

CMNS 110 - Introduction to Communication Studies (3)

CMNS 130 - Communication and Social Change (3)

### Upper Division Requirements

Students complete at least four upper division CMNS courses (minimum 16 units) (***and the lower division prerequisites***). ~~At least two (2) of these courses (minimum 8 units) must be taken at SFU.~~ Directed study and field placement courses may not be used to meet this requirement.

## Residency Requirements and Transfer Credit

At least two (2) upper division CMNS courses (minimum 8 units) must be taken at SFU.

**Calendar Entry Change:** Add second degree program to calendar

**Name of Program or Name of Faculty:** Communication, Second Degree, Bachelor of Arts

Rationale for change:

Currently no second degree requirements listed in calendar. Adding program to ensure consistency with SFU requirements and clarity of programming offerings in Communication.

Effective term and year: Fall 2019

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Communication Second Degree

### BACHELOR OF ARTS

The School of Communication has a long-standing tradition of critical, interdisciplinary approaches to the study of media and technology, with a commitment to social theory and political economy. The school bridges the critical and the applied in its undergraduate programs, and is committed to offering students the opportunities and the means to explore, analyze and critically evaluate the complexities and interplay between the numerous and diverse dimensions of communication.

### Admission Requirements

A student who already holds a bachelor’s degree(s) from an approved institution may complete a second or subsequent Bachelor of Arts in Communication.

Internal University transfer requires a 2.50 or better Communication (CMNS) GPA, upon completion of at least 2 CMNS lower division courses at SFU, each with minimum C- grade, and a minimum 2.00 CGPA.

### Continuance Requirements

A minimum 2.25 CMNS GPA and 2.00 CGPA is required to remain in good standing in the program.

CMNS course enrollment requires a C- grade or better in each prerequisite course.

## Program Requirements

Students complete 44 units of upper division work, as specified below.

### Upper Division Requirements

Students may enroll in upper division courses only when prerequisites have been completed.

Students complete a minimum of 28 upper division Communication units, including at least one of

CMNS 304W - Communication in Everyday Life (4)

CMNS 323W - Cultural Dimensions in Advertising (4)

CMNS 455W - Women and New Information Technologies (4)

and at least two regularly scheduled CMNS 400-level courses.

Directed study and field placement courses may not be used to meet this requirement.

## Writing, Quantitative, and Breadth Requirements

Students admitted to second degrees are exempt from all of the breadth requirements (designated and undesignated), three units of the Q requirements and the lower division W requirement. (The remaining W and Q courses must be a minimum of three units each. The W course must be upper division in the student's subject or field.) For more information, see [Writing, Quantitative, and Breadth Requirements](http://www.sfu.ca/students/calendar/2019/spring/fees-and-regulations/enrolment/WQB.html). (link to <http://www.sfu.ca/students/calendar/2019/spring/fees-and-regulations/enrolment/WQB.html>)

## Residency Requirements and Transfer Credit

- At least half of the program's total units must be earned through Simon Fraser University study.
- At least two thirds of the program's total upper division units must be earned through Simon Fraser University study.

The School of Communication requires that a minimum of 16 upper division CMNS units (four CMNS upper division courses, including at least one 400 division CMNS course) must be taken at SFU. Directed study and field placement courses may not be used to meet this requirement.



**Calendar Entry Change****Name of Program or Name of Faculty****Bachelor of Education as a second degree**

Rationale for change: When EDUC 400 was added to the Professional Development Program (PDP) the Bachelor of Education as a second degree was revised to include EDUC 400. This was approved by SCUS in January 2017. However, consideration was not given to some of our unique offerings of the PDP that have alternate course opportunities during the first semester of the program. Specifically, our PDP offered in Ft. St. John/Dawson Creek (AHCOTE) and our PDP students participating in the DUAL program who are on Exchange in France.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

Bachelor of Education as a Second Degree

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample-~~ All additions should be marked by a **bold**.

## Admission Requirements

To be admitted, students must possess a bachelor's degree and have been admitted to the Professional Development Program (option A); ~~or~~ admitted to the Professional Linking Program (option B); **or admitted to an approved off-site offering of the Professional Development Program (option C).**

## Program Requirements

### Option A

Students in this option, who will have been admitted to the Professional Development Program, will complete a total of 60 upper division units in education. Any additional course work needed to address academic requirements for a professional certificate and additional requirements to complete a minor must be completed over and above the



required 60 upper division units.

Students complete all of

EDUC 400 - Foundations of Education and Schooling (15)  
EDUC 401W - Introduction to Classroom Teaching (8)  
EDUC 402W - Studies of Educational Theory and Practice (7)  
EDUC 404 - Coursework Semester (0)  
EDUC 405 - Teaching Semester (15)

a minor from the Faculty of Education (see below)

### Option B

Students in this option, who will have been admitted to the Professional Linking Program, will complete a total of 48 upper division units in education. Any additional course work needed to address academic requirements for a professional certificate and additional requirements to complete a minor must be completed over and above the required 48 upper division units.

Students complete all of

EDUC 402W - Studies of Educational Theory and Practice (7)  
EDUC 403 - Studies in Teaching and Learning (11)  
EDUC 404 - Coursework Semester (0)  
EDUC 405 - Teaching Semester (15)

a minor from the Faculty of Education (see below)

### Option C

Students in this option, will have been admitted to the Professional Development Program. Any additional course work needed to address academic requirements for a professional certificate and/or to complete a minor will be over and above the required courses noted below.

Students complete all of the courses below, plus additional course work to meet their program requirements.

EDUC 401W - Introduction to Classroom Teaching (8)  
EDUC 402W - Studies of Educational Theory and Practice (7)  
EDUC 404 - Coursework Semester (0)  
EDUC 405 - Teaching Semester (15)

One of the following minors from the Faculty of Education:

Counselling and Human Development Minor Program

Curriculum and Instruction Minor Program

Early Learning Minor Program

Educational Psychology Minor Program

Elementary Generalist Minor Program

Environmental Education Minor Program

French Education Minor Program

International and Global Education Minor Program

Learning and Developmental Disabilities Minor Program

Physical Education Minor Program

Secondary Mathematics Education Minor Program

Secondary Teaching Minor Program

Social Justice in Education

### Teacher Regulation Branch Requirements

It is the student's responsibility to ensure that they meet the Teacher Regulation Branch requirements for a Professional Teaching Certificate.

### Writing, Quantitative, and Breadth Requirements

Students admitted to second degrees are deemed to have met all of the breadth requirements, the lower-division W of the two required W courses, and one of the two required Q courses. The remaining W and Q courses must be a minimum of 3 units each; the W course must be upper division and within the major, while the Q course may be upper division or lower division.





## **Residency Requirements and Transfer Credit**

Students who are pursuing a second bachelor's degree are advised that the normal upper division residency requirement applies, which is that at least two thirds of the upper division course work for the degree must be completed at Simon Fraser University.

## **Elective Courses**

In addition to the courses listed above, students should consult an academic advisor to plan the remaining required elective courses.

**SCUS 19-23**

**Calendar Entry Change: B.Env. Honours program  
Department of Geography**

Rationale for change:

This change is being implemented to give students enrolled in the B.Env. (GES) an opportunity to pursue an honours degree, an option available to all other majors in the Dept. of Geography. It's structure mirrors the Dept.'s B.A. honours program (i.e. 120 required units (60 at the upper division), minimum GPA requirement of 3.5 with a 3.67 upper division GPA; students must complete and Honours essay (GEOG 491).

N.B. Although SCUS has recently approved program modifications to the GES, the changes below reflect the existing calendar entry, as the new program is not yet in the calendar.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:  
BENV Global Environmental Systems

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

**Admission Requirements**

**Entry to the B.Env. Global Environmental Systems Honours program is competitive. Interested students must apply to the Department one full semester prior to the semester in which they plan to enroll in GEOG 491- Honours Essay. Applicants must have completed a minimum of 60 upper division credits, have a minimum upper division GPA of 3.67, and must have consulted with a potential Honours Essay supervisor prior to application.**

**For application instructions and deadlines, please consult the Department. Meeting the minimum requirements does not guarantee entry to the Honours program.**

**Minimum Grade Requirements**

**To graduate with honours, students must have a grade point average of not less than 3.50.**

**Program Requirements**

Students complete 120 units, as specified below. Additional upper division units will be required to total a minimum of 45 ~~60~~ upper division units.

### Lower Division Requirements

Complete all of:

GEOG 100 - Our World: Introducing Human Geography (3)

GEOG 111 - Earth Systems (3)

GEOG 214 - Weather and Climate (3)

**GEOG 215 – Biogeography (3)**

GEOG 255 - Geographical Information Science I (3)

~~REM 100 – Global Change (3)~~

REM 221 - Systems Thinking and the Environment (3)

**GEOG 266W - Geography in Practice**

*and one of:*

**GEOG 104 - Climate Change, Water and Society (3)**

**REM 100 - Global Change (3)**

**EVSC 100 - Introduction to Environmental Science (3)**

*and one of:*

GEOG 251 - Quantitative Geography (3)

STAT 201 - Statistics for the Life Sciences (3)

STAT 203 - Introduction to Statistics for the Social Sciences (3)

STAT 205 - Introduction to Statistics (3)

~~STAT 270 – Introduction to Probability and Statistics (3)~~

Choose 1 of:

~~ARCH 131 – Human Origins (3)~~

~~BISC 101 – General Biology (4)~~

~~BISC 102 – General Biology (4)~~

~~HSCI 100 – Human Biology (3)~~

Choose 1 of:

~~BISC 204 – Introduction to Ecology (3)~~

~~EVSC 100 – Introduction to Environmental Science (3)~~

~~GEOG 215 – Biogeography (3)~~

*and one of:*



ARCH 286 - Cultural Heritage Management (4)  
**FNST 101 – Introduction to First Nations Studies (3)**  
**FNST 286 – Indigenous Peoples and British Columbia: An introduction (3)**

*and one of*

GEOG 221 - Economic Worlds (3)  
 GEOG 241 - People, Place, Society (3)  
 GEOG 261 - Encountering the City (3)

## Upper Division Requirements

Complete all of

**GEOG 314 - The Climate System (4)**  
**GEOG 355 - Geographical Information Science II (4)**  
**GEOG 389W - Nature and Society (4)**

### Biophysical Systems (~~choose 3~~) (choose two)

ARCH 388 - Geoarchaeology (5)  
 GEOG 213 - Introduction to Geomorphology (3)  
 GEOG 311 - Hydrology (4)  
 GEOG 312 - Geography of Natural Hazards (4)  
 GEOG 313 - River Geomorphology (4)  
~~GEOG 314 - The Climate System (4)~~  
 GEOG 315 - World Ecosystems (4)  
 GEOG 316 - Global Biogeochemical and Water Cycles (4)  
 GEOG 317 - Soil Science (4)  
**GEOG 411 - Advanced Hydrology (4)**  
**GEOG 412W - Glacial Processes and Environments (4)**  
**GEOG 414 - Climate Change**  
**GEOG 417 or 417W - Advanced Soil Science**  
 REM 370 - Global Resource Issues in Oceanography (3)  
**REM 375 – Ecology and Conservation of Coastal BC (3)**  
~~REM 471 – Forest Ecosystem Management (3)~~

### Socio-economic and Political Systems (~~choose 3~~) (choose one)

~~ARCH 363 – Landscape Archaeology (3)~~  
~~ARCH 365 – Archaeological Perspectives on Human Ecology (3)~~  
**ARCH 389 Ethnoecology (3)**  
 GEOG 321 - Geographies of Global Capitalism (4)  
 GEOG 322W - World Resources (4)  
**GEOG 325 - Geographies of Consumption (4)**  
**GEOG 362W - Geography of Urban Built Environments (4)**  
**GEOG 363 - Urban Planning and Policy (4)**  
**GEOG 377 - Environmental History (4)**

**GEOG 381W - Territory, Power, State (4)**  
 GEOG 382 - World on the Move (4)  
**GEOG 386 - Health Geography (4)**  
**GEOG 387 - Geography and Gender (4)**  
~~GEOG 389W - Nature and Society (4)~~  
**GEOG 423 - Capitalist Natures (4)**  
~~GEOG 428 - World Forests (4)~~  
**GEOG 432 - Problems in Environmental History (4)**  
**GEOG 449 - City and Environment (4)**  
**GSWS 314 - Race, Class and Gender (4)**  
~~POL 346 - International Organization (4)~~  
~~POL 452W - Energy Policy (4)~~  
**REM 319 - Environmental Law (3)**  
 REM 321 - Ecological Economics (4)  
 REM 350 - Sustainable Energy and Materials Management (4)  
 REM-356**356W** - Institutional Arrangements for Sustainable Environmental Management (3)  
**REM 454 - Water Security (3)**  
~~SA 371 - The Environment and Society (SA) (4)~~  
~~SD 401 - Sustainable Development Goals Studio (4)~~

**Environmental Justice (choose one)**

**ENV320W - Ethics and the Environment (3)**  
**FNST 433 - Indigenous Environmental Justice and Activism (4)**  
**GEOG 328 - Labour Geographies (4)**  
**GEOG 385 - Food and the City (4)**  
**REM 407 Indigenous Governance and Resource Relationships (4)**

**Data Acquisition, Analysis and Modeling (~~choose 3~~) (choose two)**

~~ARCH 285 - Archaeological Science (4)~~  
**EVSC 305 - Methods in Environmental Science (3)**  
 GEOG 253 - Introduction to Remote Sensing (3)  
**GEOG 310 - Physical Geography Field Course (4)**  
 GEOG 352 - Spatial Analysis (4)  
 GEOG 353 - Advanced Remote Sensing (4)  
 GEOG 414 - Climate Change (4)  
 GEOG 451 - Spatial Modeling (4)  
 GEOG 453 - Theoretical and Applied Remote Sensing (4)  
**GEOG 455W - Theoretical and Applied GIS (4)**  
**GEOG 457 - Geovisualization Interfaces (4)**  
 REM 311 - Applied Ecology and Sustainable Environments (3)  
 REM 412 - Environmental Modeling (3)

**Communication (choose one)**

~~CMNS 342 - Science and Public Policy: Risk Communication (4)~~  
 CMNS 349 - Environment, Media and Communication (4)

GEOG 351 - Multimedia Cartography (4)  
GEOG 356 - 3D Geovisualization (4)  
**SA 315 - New Information Technology and Society**

**Capstone Experience (choose one)**

~~ENV 495 - Environmental Capstone (4)~~  
**GEOG 411 - Advanced Hydrology (4)**  
**GEOG 412W - Glacial Processes and Environments (4)**  
**GEOG 414 - Climate Change (4)**  
**GEOG 417 or 417W - Advanced Soil Science (4)**  
**GEOG 421 - Geographical Political Economy**  
**GEOG 423 - Capitalist Natures (4)**  
**GEOG 432 - Problems in Environmental History (4)**  
**GEOG 440 - Property, Land, Society (4)**  
**GEOG 442 - A World of Cities (4)**  
**GEOG 449 - City and Environment (4)**  
**GEOG 451 - Spatial Modeling (4)**  
**GEOG 453 - Theoretical and Applied Remote Sensing (4)**  
**GEOG 455W - Theoretical and Applied GIS (4)**  
**GEOG 457 - Geovisualization Interfaces (4)**  
**GEOG 497 - International Field Study (5)**

and

**GEOG 491 - Honours Essay (4)**

~~In special cases, the Director may approve substitutes for the capstone, such as ENV 491 (Directed Study in Environment).~~

~~Three~~ **Two** lower division courses (ARCH 285, GEOG 213 and GEOG 253) can be used to satisfy ~~some of~~ **specific** upper division requirements of this major, ~~but do not count~~ **These courses do not count toward the 60 upper division units required** to graduate. ~~towards the graduation requirement of 45 upper division units. Additional courses may be required to satisfy~~ WQB requirements; may necessitate additional classes for some students, ~~but an~~ **although the interdisciplinary major such as Global Environmental Systems program already** includes ~~numerous~~ **several** courses that meet Quantitative requirements.



## Program Name Change

<b>Name of Faculty and academic unit:</b> Dept. of Geography, Faculty of Environment
<b>Current name of program:</b> Geography Honours (Bachelor of Arts)
<b>Proposed program name change:</b> Human Geography Honours (Bachelor of Arts)
<b>Rationale for change:</b> The name change is being made so that the name of the B.A. honours program is consistent with the renamed B.A. program, which was modified from "Geography" to "Human Geography" earlier this academic year.
<b>Effective term and year:</b> Fall 2019
<b>The following <u>credential(s)</u> will be affected by this change:</b> Geography Honours (Bachelor of Arts)

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

<h1>Human Geography Honours</h1> <p>Bachelor of Arts</p>
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**Calendar Entry Change: B.A. Honours, Human Geography**  
**Name of Program or Name of Faculty: Dept. of Geography**

Rationale for change:

This change is being implemented for 2 reasons:

1. To bring Geography's B.A. honours program up to date with SFU's honours regulations by reducing required units from 132 to 120.
2. To bring Geography's B.A. honours program in line with the modifications to the B.A. Human Geography major, recently approved by SCUS.

With the reduction in unit requirements, we have accordingly raised the minimum GPA requirements (from 3.0 to 3.5, with a 3.67 upper division GPA) to ensure the honours program remains a manageable size.

N.B. Although SCUS has recently approved program modifications to the B.A., the changes below reflect the existing calendar entry, as the new program is not yet in the calendar.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:  
B.A. Geography Honours

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

**Human** Geography Honours

Bachelor of Arts

Admission Requirements

**Entry to the B.A. Human Geography Honours program is competitive. Interested students must apply to the Department one full semester prior to the semester in which they plan to enroll in GEOG 491- Honours Essay. Applicants must have completed a minimum of 45 upper division credits, have a minimum upper division GPA of 3.67, and have consulted with a potential Honours Essay supervisor prior to application.**

**For application instructions and deadlines, please consult the Department. Meeting the minimum requirements does not guarantee entry to the Honours program.**

~~Program entry requires the approval of the department and an admission GPA of 3.00.~~

#### Minimum Grade Requirements

To graduate with honours, students must have a grade point average of not less than ~~3.00~~ **3.50**.

#### Program Requirements

A total of ~~132~~ **120** units is required, of which 60 must be at the upper division.

~~Transfer students may enter the program before fulfilling all lower division requirements. See the advisor as soon as possible about program entry.~~

~~Students should consult with the advisor when formally declaring a geography major, or risk prolonging their program.~~

#### Lower Division Requirements

~~Students complete a total of 18 units, including all of~~

#### **Complete all of**

GEOG 100 - Our World: Introducing Human Geography (3)

GEOG 111 - Earth Systems (3)

GEOG 221 - Economic Worlds (3)

GEOG 241 - People, Place, Society (3)

**GEOG 261 – Encountering the City (3)**

**GEOG 266W – Geography in Practice (3)**

and one of

GEOG 213 - Introduction to Geomorphology (3)

GEOG 214 - Weather and Climate (3)

GEOG 215 - Biogeography (3)



and ~~one~~ **both** of

GEOG 251 - Quantitative Geography (3)

~~GEOG 253 - Introduction to Remote Sensing (3)~~

GEOG 255 - Geographical Information Science I (3)

and **one** of

**FNST 101 – Introduction to First Nations Studies (3)**

**FNST 286 – Indigenous Peoples and British Columbia: An Introduction (3)**

~~In addition, GEOG 261-3 is strongly recommended to students who intend to take upper division courses in urban geography.~~

## Upper Division Requirements

~~Students complete 32 units of 300 and 400 division courses in geography within one of the following two concentrations.~~

### ~~SOCIETY AND ENVIRONMENT CONCENTRATION~~

~~Students choosing this concentration complete two of~~

~~GEOG 325 - Geographies of Consumption (4)~~

~~GEOG 362 - Geography of Urban Built Environments (4)~~

~~GEOG 363 - Urban Planning and Policy (4)~~

~~GEOG 377 - Environmental History (4)~~

~~GEOG 381 - Territory, Power, State (4)~~

~~GEOG 382 - World on the Move (4)~~

~~GEOG 386 - Health Geography (4)~~

~~GEOG 387 - Geography and Gender (4)~~

and one of

GEOG 311 - Hydrology (4)

~~GEOG 312—Geography of Natural Hazards (4)~~

~~GEOG 313—River Geomorphology (4)~~

~~GEOG 314—The Climate System (4)~~

~~GEOG 315—World Ecosystems (4)~~

~~GEOG 316—Global Biogeochemical and Water Cycles (4)~~

~~GEOG 317—Soil Science (4)~~

~~GEOG 318—Soils in Our Environment (4)~~

~~and one of~~

~~GEOG 420—Cultural Geography (4)~~

~~GEOG 432—Problems in Environmental History (4)~~

~~GEOG 440—Property, Land, Society (4)~~

~~GEOG 442—A World of Cities (4)~~

~~GEOG 449—City and Environment (4)~~

~~GEOG 486—Health Care Geographies (4)~~

~~and any four other courses from the full list of 300 and 400 level geography courses~~

~~and any additional courses, in geography and across the University, to complete the required total of 45 upper division units.~~

#### ~~RESOURCES, ECONOMY, AND ENVIRONMENT CONCENTRATION~~

~~Students choosing this concentration complete two of~~

~~GEOG 321—Geographies of Global Capitalism (4)~~

~~GEOG 322—World Resources (4)~~

~~GEOG 323—Industrial Location (4)~~

~~GEOG 324—Geography of Transportation (4)~~

~~GEOG 327—Geography of Tourism (4)~~

~~GEOG 328 – Labour Geographies (4)~~

~~GEOG 383 – Regional Development and Planning (4)~~

~~GEOG 385 – Food and the City (4)~~

~~GEOG 389W – Nature and Society (4)~~

~~and one of~~

~~GEOG 311 – Hydrology (4)~~

~~GEOG 312 – Geography of Natural Hazards (4)~~

~~GEOG 313 – River Geomorphology (4)~~

~~GEOG 314 – The Climate System (4)~~

~~GEOG 315 – World Ecosystems (4)~~

~~GEOG 316 – Global Biogeochemical and Water Cycles (4)~~

~~GEOG 317 – Soil Science (4)~~

~~GEOG 318 – Soils in Our Environment (4)~~

~~and one of~~

~~GEOG 421 – Geographical Political Economy (4)~~

~~GEOG 424 – Cities, Transportation, Infrastructure (4)~~

~~GEOG 428 – World Forests (4)~~

~~GEOG 445 – Resource Planning (4)~~

**Upper division courses must include GEOG 491 – Honours Essay (4) and a second 400-level course and a W course from the lists below.**

**Complete**

**Economy & Politics (choose 3)**

**GEOG 321 – Geographies of Global Capitalism (4)**

**GEOG 322W - World Resources (4)**

**GEOG 328 – Labour Geographies (4)**



**GEOG 381W – Territory, Power, State (4)**  
**GEOG 389W – Nature and Society (4)**  
**GEOG 421 – Geographical Political Economy (4)**  
**GEOG 423 – Capitalist Natures (4)**  
**GEOG 428 – World Forests (4)**  
**GEOG 440 – Property, Land, Society (4)**

**Society & Space (choose 3)**

**GEOG 312 – Geography of Natural Hazards (4)**  
**GEOG 325 – Geographies of Consumption (4)**  
**GEOG 327 – Geography of Tourism (4)**  
**GEOG 377 – Environmental History (4)**  
**GEOG 382 – World on the Move (4)**  
**GEOG 386 – Health Geography (4)**  
**GEOG 387 – Geography and Gender (4)**  
**GEOG 432 – Problems in Environmental History (4)**  
**GEOG 486 – Health Care Geographies (4)**  
**GEOG 492 – Advanced Theory & Methods for Human Geographers (4)**

**Urbanization & Urbanism (choose 3)**

**GEOG 324 – Geography of Transportation (4)**  
**GEOG 362W – Geography of Urban Built Environments (4)**  
**GEOG 363 – Urban Planning and Policy (4)**  
**GEOG 364 – Cities and Crisis (4)**  
**GEOG 385 – Food and the City (4)**  
**GEOG 424 – Cities, Transportation, Infrastructure (4)**  
**GEOG 442 – A World of Cities (4)**  
**GEOG 449 – City and Environment (4)**

**Methods & Analysis (choose 1)**

**GEOG 351 – Multimedia Cartography (4)**  
**GEOG 352 – Spatial Analysis (4)**  
**GEOG 355 – Geographical Information Science II (4)**  
**GEOG 356 – 3D Geovisualization (4)**

and

**GEOG 491 - Honours Essay (4)**

~~and any four other courses from the full list of 300 and 400 level geography courses~~



and any further courses to achieve **additional upper division courses, in geography or across the University, required to complete 50 a minimum of 60 upper division units in geography.**

## Calendar Entry Change

### Applied Mathematics Honours - Bachelor of Science

#### Rationale for change:

The Department of Mathematics has recently had a new program, the Accelerated Master's Program, approved. As a result, Mathematics needs to do a minor update to the calendar descriptions for all of their Undergraduate programs (majors/honours).

#### Effective term and year:

Fall 2019

#### The following program(s) will be affected by these changes:

Honours

- Applied Mathematics Bachelor of Science

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Upper Division Requirements

Students complete 48 units, including all of

MACM 316 - Numerical Analysis I (3)

MATH 310 - Introduction to Ordinary Differential Equations (3)

MATH 314 - Introduction to Fourier Methods and Partial Differential Equations (3)

MATH 320 - Introduction to Analysis II (3)

MATH 322 - Complex Variables (3)

MATH 418 - Partial Differential Equations (3)

MATH 498 - Communication and Research Skills in the Mathematical Sciences (1)

MATH 499W - Honours Research Project (5)

and at least one of

MATH 308 - Linear Optimization (3)

MATH 309 - Continuous Optimization (3)



and at least one of

MATH 461 - Continuous Mathematical Models (3)

MATH 462 - Fluid Dynamics (3)

MATH 467 - Dynamical Systems (3)

and at least one of

MACM 409 - Numerical Linear Algebra: Algorithms, Implementation and Applications (3)

MACM 416 - Numerical Analysis II (3)

MATH 470 - Variational Calculus (3)

and at least fifteen more upper division units, of which at least three must be chosen from the 400 level. These fifteen units may be selected from any MATH or MACM courses or from

CMPT 464 - Geometric Modelling in Computer Graphics (3)

PHYS 395 - Computational Physics (3)

PHYS 413 - Advanced Mechanics (3)

STAT 380 - Introduction to Stochastic Processes (3)

**NOTE: SFU students enrolled in the Accelerated Master's degree program within the Department of Mathematics may apply a maximum of 10 graduate course units, taken while completing the bachelor's degree, towards the upper division undergraduate electives of the bachelor's program and the requirements of the master's degree. For more information go to:**

**<http://www.sfu.ca/dean-gradstudies/future/academicprograms/AcceleratedMasters.html>**

## Other Requirements

At least 60 of the units must be at the upper division. A cumulative grade point average (CGPA) of at least 3.00 and an upper division grade point average of at least 3.00 are required. These averages are computed on all courses completed at the University. If both averages are at least 3.50, the designation 'first class' applies.

## Calendar Entry Change Applied Mathematics Major - Bachelor of Science

<p>Rationale for change: The Department of Mathematics has recently had a new program, the Accelerated Master's Program, approved. As a result, Mathematics needs to do a minor update to the calendar descriptions for all of their Undergraduate programs (majors/honours).</p>
<p>Effective term and year: Fall 2019</p>
<p>The following program(s) will be affected by these changes: Major - Applied Mathematics Bachelor of Science</p>

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

<p>Upper Division Requirements</p> <p>Students complete a minimum of 30 units, including all of</p> <p>MACM 316 - Numerical Analysis I (3)  MATH 310 - Introduction to Ordinary Differential Equations (3)  MATH 314 - Introduction to Fourier Methods and Partial Differential Equations (3)  MATH 320 - Introduction to Analysis II (3)  MATH 322 - Complex Variables (3)  MATH 418 - Partial Differential Equations (3)</p> <p>and at least one of</p> <p>MATH 461 - Continuous Mathematical Models (3)  MATH 462 - Fluid Dynamics (3)  MATH 467 - Dynamical Systems (3)</p> <p>and at least two of</p> <p>MACM 401 - Introduction to Computer Algebra (3)</p>
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MACM 409 - Numerical Linear Algebra: Algorithms, Implementation and Applications (3)  
MACM 416 - Numerical Analysis II (3)  
MATH 308 - Linear Optimization (3)  
MATH 309 - Continuous Optimization (3)  
MATH 338 - Advanced Linear Algebra (3)  
MATH 343 - Applied Discrete Mathematics (3)  
MATH 345 - Introduction to Graph Theory (3)  
MATH 419 - Linear Analysis (3)  
MATH 424 - Complex Analysis (3)  
MATH 425 - Real Analysis (3)  
MATH 461 - Continuous Mathematical Models (3)  
MATH 462 - Fluid Dynamics (3)  
MATH 467 - Dynamical Systems (3)  
MATH 470 - Variational Calculus (3)  
MATH 495 - Selected Topics in Applied Mathematics (3)  
PHYS 413 - Advanced Mechanics (3)  
STAT 380 - Introduction to Stochastic Processes (3)

and one additional upper division MATH or MACM course, or any pre-approved quantitative upper division course offered by the Faculties of Applied Sciences, Arts and Social Sciences, Beedie School of Business or Faculty of Science. This course, if other than MATH or MACM, must be pre-approved by a department advisor. Students are encouraged to explore the option of completing courses outside the department and to discuss possibilities with a department advisor. Choices from the third group ("at least two of") must not include the course used to satisfy the second group ("at least one of"). At least three of the courses used to satisfy the upper division requirements must be at the 400 division.

**NOTE: SFU students enrolled in the Accelerated Master's degree program within the Department of Mathematics may apply a maximum of 10 graduate course units, taken while completing the bachelor's degree, towards the upper division undergraduate electives of the bachelor's program and the requirements of the master's degree. For more information go to:**

**<http://www.sfu.ca/dean-gradstudies/future/academicprograms/AcceleratedMasters.html>**



## Other Requirements

At least 44 of the units must be at the upper division. In the courses used to satisfy the upper division requirements, a grade point average (GPA) of at least 2.00 is required. In addition, University regulations require a cumulative GPA of at least 2.00 and an upper division GPA of at least 2.00.

These averages are computed on all courses completed at the University. See Grade Point Averages Needed for Graduation.

In addition to the above requirements, students must also satisfy Faculty of Science major program requirements as follows.

## Calendar Entry Change Mathematics Honours - Bachelor of Science

<p>Rationale for change: The Department of Mathematics has recently had a new program, the Accelerated Master's Program, approved. As a result, Mathematics needs to do a minor update to the calendar descriptions for all of their Undergraduate programs (majors/honours).</p>
<p>Effective term and year: Fall 2019</p>
<p>The following program(s) will be affected by these changes: Honours - Mathematics Bachelor of Science</p>

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

<p>Upper Division Requirements</p> <p>Students complete at least 48 units of which at least 15 must be at the 400 level. Students complete all of</p> <p>MATH 310 - Introduction to Ordinary Differential Equations (3)  MATH 320 - Introduction to Analysis II (3)  MATH 322 - Complex Variables (3)  MATH 340 - Algebra II: Rings and Fields (3)  MATH 341 - Algebra III: Groups (3)  MATH 498 - Communication and Research Skills in the Mathematical Sciences (1)  MATH 499W - Honours Research Project (5)</p> <p>and one of</p> <p>MATH 343 - Applied Discrete Mathematics (3)  MATH 345 - Introduction to Graph Theory (3)  MATH 408 - Discrete Optimization (3)  MATH 443 - Combinatorial Theory (3)</p>
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## MATH 447 - Coding Theory (3)

In addition to the above core requirement of 24 units, students must complete the requirements for at least one of the three concentrations below.

### Algebra and Number Theory Concentration

Students complete at least 9 units from the following list of which at least 3 units must be at the 400 level.

MATH 338 - Advanced Linear Algebra (3)

MATH 342 - Elementary Number Theory (3)

MATH 440 - Galois Theory (3)

MATH 441 - Commutative Algebra and Algebraic Geometry (3)

MATH 443 - Combinatorial Theory (3)

MATH 447 - Coding Theory (3)

MACM 401 - Introduction to Computer Algebra (3)

MACM 442 - Cryptography (3)

### Analysis and Optimization Concentration

Students complete at least 9 units from the following list of which at least 3 units must be at the 400 level.

MACM 316 - Numerical Analysis I (3)

MATH 308 - Linear Optimization (3)

MATH 309 - Continuous Optimization (3)

MATH 314 - Introduction to Fourier Methods and Partial Differential Equations (3)

MATH 408 - Discrete Optimization (3)

MATH 418 - Partial Differential Equations (3)

MATH 419 - Linear Analysis (3)

MATH 424 - Complex Analysis (3)

MATH 425 - Real Analysis (3)

### Discrete Mathematics Concentration



Students complete

CMPT 225 - Data Structures and Programming (3)

and at least 9 units from the following list of which at least 3 units must be at the 400 level.

MACM 442 - Cryptography (3)

MATH 343 - Applied Discrete Mathematics (3)

MATH 345 - Introduction to Graph Theory (3)

MATH 408 - Discrete Optimization (3)

MATH 443 - Combinatorial Theory (3)

MATH 445 - Graph Theory (3)

MATH 447 - Coding Theory (3)

MATH 448 - Network Flows (3)

CMPT 307 - Data Structures and Algorithms (3)

CMPT 405 - Design and Analysis of Computing Algorithms (3)

Additional Electives

Students must complete an additional 15 upper division units. These units can be any upper division MATH or MACM courses or taken from the following list.

STAT 380 - Introduction to Stochastic Processes (3)

PHYS 413 - Advanced Mechanics (3)

They may include additional courses from the three Concentrations. The total number of 400 level units must be at least 15.

**NOTE: SFU students enrolled in the Accelerated Master's degree program within the Department of Mathematics may apply a maximum of 10 graduate course units, taken while completing the bachelor's degree, towards the upper division undergraduate electives of the bachelor's program and the requirements of the master's degree. For more information go to:**

**<http://www.sfu.ca/dean-gradstudies/future/academicprograms/AcceleratedMasters.html>**

## Science Electives

Students obtain at least six units in courses offered by the Faculty of Science outside the Department of Mathematics, and the Department of Statistics and Actuarial Science. Courses PHYS 100, BISC 100 and CHEM 110/111 cannot be used to satisfy this requirement.

## Other Requirements

Of the total 120 units required for the honours, at least 60 units must be from the upper division. A cumulative grade point average (CGPA) of at least 3.00 and an upper division grade point average of at least 3.00 are required. These averages are calculated on all courses completed at the University. If both averages are at least 3.50, the designation 'first class' applies.

## Calendar Entry Change

### Mathematics Major - Bachelor of Science

Rationale for change:

The Department of Mathematics has recently had a new program, the Accelerated Master's Program, approved. As a result, Mathematics needs to do a minor update to the calendar descriptions for all of their Undergraduate programs (majors/honours).

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Major

- Mathematics Bachelor of Science

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Upper Division Requirements

Students complete a minimum of 30 program units, including the 15 outlined below.

MATH 340 - Algebra II: Rings and Fields (3)

and one of

MATH 343 - Applied Discrete Mathematics (3)

MATH 345 - Introduction to Graph Theory (3)

MATH 408 - Discrete Optimization (3)

MATH 443 - Combinatorial Theory (3)

MATH 447 - Coding Theory (3)

and one of

MATH 320 - Introduction to Analysis II (3)

MATH 322 - Complex Variables (3)



and one of

MATH 338 - Advanced Linear Algebra (3)

MATH 341 - Algebra III: Groups (3)

MATH 342 - Elementary Number Theory (3)

and one of

MATH 310 - Introduction to Ordinary Differential Equations (3)

MACM 316 - Numerical Analysis I (3)

The remaining 15 units can be chosen from any upper division MATH or MACM course. Up to 6 of the 15 units can be chosen from the list below.

PHYS 413 - Advanced Mechanics (3)

Any upper division STAT course except for STAT 302, STAT 305, and STAT 403

Within the 30 program units, students must complete 9 units of 400 level course work, as outlined below (excluding directed studies, job practicum, or honours essay courses):

6 units of MATH or MACM courses

3 units of courses from the list of PHYS and STAT courses above (within the 6 allowed units) or 3 units of any other MATH or MACM course.

### Elective Courses

In addition to the courses listed above, students should consult an academic advisor to plan the remaining required elective courses.

Students obtain at least six units in courses offered by the Faculty of Science outside the Department of Mathematics, and the Department of Statistics and Actuarial Science. The courses PHYS 100, BISC 100 and CHEM 110/111 cannot be used to satisfy this requirement.

**NOTE: SFU students enrolled in the Accelerated Master's degree program within the Department of Mathematics may apply a maximum of 10 graduate course units, taken while completing the bachelor's degree, towards the upper division undergraduate electives of the bachelor's program and the requirements of the master's degree. For more information go to:**

**<http://www.sfu.ca/dean-gradstudies/future/academicprograms/AcceleratedMasters.html>**

## University Degree Requirements

Students must also satisfy University degree requirements for degree completion.

## Calendar Entry Change Operations Research Honours - Bachelor of Science

<p>Rationale for change: The Department of Mathematics has recently had a new program, the Accelerated Master's Program, approved. As a result, Mathematics needs to do a minor update to the calendar descriptions for all of their Undergraduate programs (majors/honours).</p>
<p>Effective term and year: Fall 2019</p>
<p>The following program(s) will be affected by these changes: Honours - Operations Research Bachelor of Science</p>

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

<p>Upper Division Requirements</p> <p>Students complete a total of 48 units, including all of</p> <p>MATH 308 - Linear Optimization (3) MATH 348 - Probabilistic Models in Operations Research (3) MATH 402W - Operations Research Clinic (4)</p> <p>and five of</p> <p>MATH 309 - Continuous Optimization (3) MATH 320 - Introduction to Analysis II (3) MATH 408 - Discrete Optimization (3) MATH 448 - Network Flows (3) STAT 350 - Linear Models in Applied Statistics (3) STAT 380 - Introduction to Stochastic Processes (3)</p> <p>and at least one of</p>
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CMPT 305 - Computer Simulation and Modelling (3)

CMPT 307 - Data Structures and Algorithms (3)

MACM 316 - Numerical Analysis I (3)

MATH 343 - Applied Discrete Mathematics (3)

MATH 345 - Introduction to Graph Theory (3)

and at least 6 additional units from the following list

ECON 435 - Econometric Methods (5)

Any upper division STAT course except for STAT 302, STAT 305, and STAT 403

To complete the required 48 upper division units, students complete additional coursework, of which at least two courses must be 400-level MATH or MACM courses with the possibility of substituting a 400-level course from another department subject to advisor approval. Courses used to fulfil this upper division requirement cannot be used to satisfy the interdisciplinary requirement. All courses pertaining to the required 48 upper division units must be approved by the program advisor in the Department of Mathematics.

**NOTE: SFU students enrolled in the Accelerated Master's degree program within the Department of Mathematics may apply a maximum of 10 graduate course units, taken while completing the bachelor's degree, towards the upper division undergraduate electives of the bachelor's program and the requirements of the master's degree. For more information go to:**

**<http://www.sfu.ca/dean-gradstudies/future/academicprograms/AcceleratedMasters.html>**

## Interdisciplinary Requirement

With advisor approval, students also complete at least 15 units **from application areas**. Application courses are chosen from ACMA, BUEC, BUS, CMPT, ECON, MACM, MATH, REM and STAT courses. Courses used to fulfil upper division requirements cannot be used to fulfil this requirement. If the operations research honours is completed as part of a second bachelor's degree, then the interdisciplinary requirement may be waived if the previous degree contains an approved major. Approvals are given individually. Those majors that are approved will not be limited to the disciplines listed above.

## Calendar Entry Change Operations Research Major - Bachelor of Science

Rationale for change:

The Department of Mathematics has recently had a new program, the Accelerated Master's Program, approved. As a result, Mathematics needs to do a minor update to the calendar descriptions for all of their Undergraduate programs (majors/honours).

Effective term and year:

Fall 2019

The following program(s) will be affected by these changes:

Major

- Operations Research Bachelor of Science

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

### Upper Division Requirements

Students complete all of

MATH 308 - Linear Optimization (3)

MATH 348 - Probabilistic Models in Operations Research (3)

MATH 402W - Operations Research Clinic (4)

and four of

MATH 309 - Continuous Optimization (3)

MATH 408 - Discrete Optimization (3)

MATH 448 - Network Flows (3)

STAT 350 - Linear Models in Applied Statistics (3)

STAT 380 - Introduction to Stochastic Processes (3)

and at least one of

CMPT 305 - Computer Simulation and Modelling (3)

CMPT 307 - Data Structures and Algorithms (3)

MACM 316 - Numerical Analysis I (3)

MATH 343 - Applied Discrete Mathematics (3)

MATH 345 - Introduction to Graph Theory (3)

and at least 6 additional units from the following list

ECON 435 - Econometric Methods (5)

Any upper division STAT course except for STAT 302, STAT 305, and STAT 403

**NOTE: SFU students enrolled in the Accelerated Master's degree program within the Department of Mathematics may apply a maximum of 10 graduate course units, taken while completing the bachelor's degree, towards the upper division undergraduate electives of the bachelor's program and the requirements of the master's degree. For more information go to:**

**<http://www.sfu.ca/dean-gradstudies/future/academicprograms/AcceleratedMasters.html>**

## Interdisciplinary Requirement

With advisor approval, students also complete at least 15 units from application areas. Application courses are chosen from ACMA, BUEC, BUS, ECON, MACM, MATH, REM and STAT courses. Courses used to fulfil upper division requirements cannot be used to fulfil this requirement. If the operations research major is completed as part of a second bachelor's degree, then the interdisciplinary requirement may be waived if the previous degree contains an approved major. Approvals are given individually. Those majors that are approved will not be limited to the disciplines listed above.



## Calendar Entry Change

Name of Program or Name of Faculty: **STAT honours (Faculty of Science)**

Rationale for change:

We are creating two new courses (introductory and advanced) and accompanying labs in the R programming language (STAT 260/261 and STAT 360/361) to replace STAT 341. Given the prevalence of R both in academia and in industry and its importance for data analysis, we are making STAT 260/261 a requirement and STAT 360/361 a recommendation for students in our Statistics honours program.

In addition, our newly proposed course, STAT 320, is not intended for Statistics honours students. The new wording of our requirements prevents Statistics honours students from taking this or other such courses for upper division credit.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

STAT honours

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Lower Division Requirements

[...]

and all of

MATH 242 - Introduction to Analysis I (3)

MATH 251 - Calculus III (3)

STAT 240 - Introduction to Data Science (3)

**STAT 260 - Introductory R for Data Science (2)**

**STAT 261 - Laboratory for Introductory R for Data Science (1)**

STAT 270 - Introduction to Probability and Statistics (3)

STAT 285 - Intermediate Probability and Statistics (3)

## Upper Division Requirements

**List C: STAT 360, STAT 361, STAT 390, STAT 440, STAT 445, STAT 452, STAT 485, STAT 490, STAT 495**

Students complete all of

MATH 320 - Introduction to Analysis II (3)  
 MATH 322 - Complex Variables (3)  
 STAT 330 - Introduction to Mathematical Statistics (3)  
~~STAT 341 - Introduction to Statistical Computing and Exploratory Data Analysis - R (2)~~  
 STAT 342 - Introduction to Statistical Computing and Exploratory Data Analysis - SAS (2)  
 STAT 350 - Linear Models in Applied Statistics (3)  
 STAT 380 - Introduction to Stochastic Processes (3)  
 STAT 410 - Statistical Analysis of Sample Surveys (3)  
 STAT 430 - Statistical Design and Analysis of Experiments (3)  
 STAT 450 - Statistical Theory (3)  
 STAT 460 - Bayesian Statistics (3)  
 STAT 475 - Applied Discrete Data Analysis (3)

and ~~129~~ units in additional upper division ACMA, MACM, MATH or STAT courses **from List C (excluding STAT 302, 305, 310, 311, 403). STAT courses (STAT 360 and STAT 361 in particular) and MACM 316 are recommended.** ~~The following are recommended.~~

~~MACM 316 - Numerical Analysis I (3)~~  
~~STAT 300W - Statistics Communication (3)~~  
**STAT 360 - Advanced R for Data Science (2)**  
**STAT 361 - Laboratory for Advanced R for Data Science (1)**  
~~STAT 440 - Learning from Big Data (3)~~  
~~STAT 445 - Applied Multivariate Analysis (3)~~  
~~STAT 452 - Statistical Learning and Prediction (3)~~  
~~STAT 485 - Applied Time Series Analysis (3)~~  
~~STAT 490 - Selected Topics in Probability and Statistics (3)~~  
~~STAT 495 - Directed Studies in Probability and Statistics (3)~~

## Additional Upper Division Requirements

Students must complete ~~167~~ additional upper division units to satisfy university requirements. Any upper division **non-STAT** courses **or STAT courses from List C other than STAT 302, STAT 305, STAT 310, STAT 311, or STAT 403** may be used to complete these units.

## Calendar Entry Change

Name of Program or Name of Faculty : **Statistics major, Faculty of Science**

Rationale for change:

We are creating two new courses (introductory and advanced) and accompanying labs in the R programming language (STAT 260/261 and STAT 360/361) to replace STAT 341. Given the prevalence of R both in academia and in industry and its importance for data analysis, we are making STAT 260/261 a requirement and STAT 360/361 a recommendation for students in our Statistics major program.

In addition, our newly proposed course, STAT 320, is not intended for Statistics major students. The new wording of our requirements prevents Statistics major students from taking this or other such courses for upper division credit.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

Statistics major

**Calendar Change:** "to" and "from" sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Lower Division Requirements

[...]

and all of

MATH 251 - Calculus III (3)

STAT 240 - Introduction to Data Science (3)

**STAT 260 - Introductory R for Data Science (2)**

**STAT 261 - Laboratory for Introductory R for Data Science (1)**

STAT 270 - Introduction to Probability and Statistics (3)

STAT 285 - Intermediate Probability and Statistics (3)



## Upper Division Requirements

List A: STAT 380, STAT 390, STAT 410, STAT 430, STAT 440, STAT 450, STAT 460, STAT 490, STAT 495

**List B: STAT 360, STAT 361, STAT 445, STAT 452, STAT 475, STAT 485**

Students complete all of

STAT 330 - Introduction to Mathematical Statistics (3)

~~STAT 341 - Introduction to Statistical Computing and Exploratory Data Analysis - R (2)~~

STAT 342 - Introduction to Statistical Computing and Exploratory Data Analysis - SAS (2)

STAT 350 - Linear Models in Applied Statistics (3)

and ~~12~~**15** units in upper division STAT courses **from Lists A and B** (including a minimum of two courses **from** ~~on~~ List A, and ~~excluding~~ STAT 302, STAT 305, STAT 310, STAT 311, and STAT 403)

and 9 units in additional upper division ACMA, MACM, MATH or STAT courses **from Lists A and B** (~~excluding~~ STAT 302, STAT 305, STAT 403). Upper division STAT courses (**STAT 360 and STAT 361 in particular**) and MACM 316 are recommended.

For students who wish to seek accreditation with the Statistical Society of Canada, STAT 450 and at least one of STAT 410 or STAT 430 are recommended.

## Additional Upper Division Requirements

Students must complete ~~12~~**13** additional upper division units to satisfy university requirements. Any upper division **non-STAT** courses **or STAT courses from Lists A and B** ~~other than~~ STAT 302, STAT 305, ~~or~~ STAT 403 may be used to complete these units.

## Calendar Entry Change

Name of Program or Name of Faculty : **Statistics minor, Faculty of Science**

Rationale for change:

We are creating two new courses (introductory and advanced) and accompanying labs in the R programming language (STAT 260/261 and STAT 360/361) to replace STAT 341. Given the prevalence of R both in academia and in industry and its importance for data analysis, we are making STAT 260/261 a requirement and STAT 360/361 a recommendation for students in our Statistics minor program.

In addition, our newly proposed course, STAT 320, is not intended for Statistics minor students. The new wording of our requirements prevents Statistics minor students from taking this course for upper division credit.

Effective term and year: Fall 2019

The following program(s) will be affected by these changes:

Statistics minor

**Calendar Change:** “to” and “from” sections are not required. All deletions should be crossed out as follows: ~~sample~~. All additions should be marked by a **bold**.

## Lower Division Requirements

[...]

and one of

BUEC 232 - Data and Decisions I (4)

STAT 201 - Statistics for the Life Sciences (3)

STAT 203 - Introduction to Statistics for the Social Sciences (3)

STAT 205 - Introduction to Statistics (3)

STAT 270 - Introduction to Probability and Statistics (3)

and all of

**STAT 260 - Introductory R for Data Science (2)**

**STAT 261 - Laboratory for Introductory R for Data Science (1)**

## Upper Division Requirements

Students complete a total of 15 units, including exactly one of

STAT 302 - Analysis of Experimental and Observational Data (3)

STAT 305 - Introduction to Biostatistical Methods for Health Sciences (3)

STAT 350 - Linear Models in Applied Statistics (3)

BUEC 333 - Statistical Analysis of Economic Data (4)

A minimum of 11 of the 15 upper division units must be completed using STAT courses other than STAT 310, ~~and~~ STAT 311, **and STAT 320**. The remaining 4 units may be substituted with upper division non-STAT units that focus on statistical inference, study design, or quantitative reasoning, such as BUS 336. The eligibility of other non-STAT courses will be at the discretion of departmental advisors. Recommended STAT courses are listed below.

~~STAT 341 - Introduction to Statistical Computing and Exploratory Data Analysis - R (2)~~

STAT 342 - Introduction to Statistical Computing and Exploratory Data Analysis - SAS (2)

**STAT 360 - Advanced R for Data Science (2)**

**STAT 361 - Laboratory for Advanced R for Data Science (1)**

STAT 403 - Intermediate Sampling and Experimental Design (3)

STAT 445 - Applied Multivariate Analysis (3)

STAT 452 - Statistical Learning and Prediction (3)

STAT 475 - Applied Discrete Data Analysis (3)

STAT 485 - Applied Time Series Analysis (3)