FACULTY OF APPLIED SCIENCES
FACULTY OF ENVIRONMENT
GEOGRAPHIC INFORMATION SCIENCE MAJOR
COMPUTING SCIENCE AND GEOGRAPHY

ACADEMIC PLANNING FORM FOR STUDENTS BEGINNING FALL 2016 ONWARDS

Name: _______________________
Student ID: ____________________
Email: ________________________
Advisor: _______________________

1. LOWER DIVISION REQUIREMENTS: Students must complete all of the following

- CMPT 120 *
- MATH 151 or 150
- GEOG 100
- (WQB) B-HUM

- CMPT 125 *
- MATH 152
- GEOG 111
- (WQB) B-HUM

- CMPT 127 *
- MATH 232 or 240
- GEOG 253
- (WQB) B-SOC

- CMPT 225
- MACM 101
- GEOG 255
- (WQB) B-SOC

- STAT 270 or GEOG 251
- MACM 201
- (WQB) W

- One of: GEOG 213, GEOG 214, GEOG 215, GEOG 221, GEOG 241, OR GEOG 261

*CMPT 130 and 135 are an acceptable alternative to the set, CMPT 120, 125 and 127.

2. UPPER DIVISION REQUIREMENTS:

**REQUIRED COURSES:**

<table>
<thead>
<tr>
<th>Choose one of:</th>
<th>Choose three of:</th>
<th>Choose two of:</th>
<th>Choose two of:</th>
<th>Four additional UD units of physical or human geography:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 307</td>
<td>GEOG 351</td>
<td>CMPT 412</td>
<td>GEOG 451</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td>CMPT 354</td>
<td>GEOG 352</td>
<td>CMPT 454</td>
<td>GEOG 453</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td>CMPT 361</td>
<td>GEOG 353</td>
<td>CMPT 461</td>
<td>GEOG 455</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td>CMPT 384</td>
<td>GEOG 355</td>
<td>CMPT 470</td>
<td>GEOG 457</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td>MACM 380</td>
<td>GEOG 356</td>
<td>MACM 381</td>
<td>MACM 382</td>
<td>--------------------------------------------------------</td>
</tr>
</tbody>
</table>

**ELECTIVE COURSES:**

- GEOG 351
- GEOG 352
- GEOG 353
- GEOG 355
- GEOG 356

**ADDITIONAL ELECTIVE:**

- GEOG 351
- GEOG 352
- GEOG 353
- GEOG 355
- GEOG 357

**ADDITIONAL ELECTIVE:**

- GEOG 351
- GEOG 352
- GEOG 353
- GEOG 355
- GEOG 357

**WQB REQUIREMENT:**

- CMPT 376W or GEOG 322W/389W/455W

Faculty of Science and Faculty of Applied Sciences
Additional Requirements: (see reverse)

3. Optional Co-operative Education

- CMPT 426
- CMPT 427
- CMPT 428
- CMPT 429
- CMPT 430

120 units required: Current: _______ Required: _______
45 UD units required: Current: _______ Required: _______

THIS ACADEMIC PLAN IS A GUIDELINE ONLY. PLEASE REFER TO THE SFU CALENDAR FOR FULL DETAILS.
ACADEMIC PLANNING FORM FOR STUDENTS BEGINNING FALL 2016 ONWARDS

1. LOWER DIVISION REQUIREMENTS (or equivalents):

MATH 154/157 may substitute MATH 151 or 150 and, MATH 155/158 may substitute MATH 152, with grades of B+ or better, and permission from the School.

WQB requirements: Students are required to complete 6 units of writing (W), 6 units of Breadth Science (B-Sci), 6 units of Breadth Social Science (B-Soc), 6 units of Breadth Humanities (B-Hum) and 6 units of Undesignated Breadth (UB).

Some WQB courses may fulfill two requirements. Some courses have multiple designations. For complete WQB regulations please refer to http://www.sfu.ca/ugcr/for_students.html.

2. UPPER DIVISION REQUIREMENTS:

- Required courses - Students must complete all courses listed in the required column.
- Elective courses - Students must select the appropriate number of courses from each column, as indicated
- Additional courses - Students must complete 4 additional units of upper division physical or human geography AND 3 additional units of upper division course work in any subject to bring their total upper division units to 45.

WQB Requirement - Students must complete their upper division W with CMPT 376-3 or GEOG 322W/389W/455W.

CGPA Requirement - Students must maintain a 2.5 cumulative grade point average (CGPA) to remain in the program.

Faculty of Science Requirements: In addition to the above requirements, students must also satisfy Faculty of Science major program requirements to complete a total of 120 units including

- additional upper division units to total a minimum of 44 upper division units (excluding EDUC 401 to 406)
- students who were enrolled at Simon Fraser University between fall 1991 and summer 2006 are required to complete a minimum of 12 units in subjects outside the Faculty of Science (excluding EDUC 401 to 406) including six units minimum to be completed in the Faculty of Arts and Social Sciences

Faculty of Applied Sciences Requirements: At least two thirds of the total Upper Division units in the program must have been completed at Simon Fraser University. Please refer to the current SFU calendar for full details.

3. CO-OPERATIVE EDUCATION: Combines work experience with academic studies—all students are encouraged to apply. Co-op is not mandatory; however, students completing 3 co-op placements receive a certificate of completion while students completing 4 or more co-op placements receive a co-op designation on their transcript and parchment. Note: You cannot graduate on a coop term. Please contact the Coop office for full details.

Questions? Contact an Applied Sciences Advisor at asadvise@sfu.ca, or view our advising schedule for drop-in and booked advising: http://www.sfu.ca/fas/current-student/advising.html.