|          | Geography   |   |                  |   |            |   | Web Design                                |   |
|----------|---|---|------------------|---|------------|---|---|---|
| 1st year | GEOG1102: Intro Human Geography PCE                           | 3 | Academic Writing | 3 | Humanities | 3 | ACS1805: Intro to Programming             | 3 |
| ,        | GEOG1103: Intro Human Geography PPD                           | 3 | Indegineous      | 3 | Humanities | 3 | ACS1809: Website Design & Development     | 3 |
|          | GEOG1201: Intro Atmospheric Science                           | 3 |                  |   | Humanities | 3 | ACS1903: Programming Fundamentals II      | 3 |
|          | GEOG1202: Intro Earth Science                                 | 3 |                  |   | Humanities | 3 |   |   |
|          |   |   |                  |   |            |   |   |   |
| 2nd year | GEOG2304: Computer Mapping                                    | 3 |                  |   |            |   | ACS2814: Applications of Database Systems | 3 |
| •        | GEOG2306: Intro to GIS  | 3 |                  |   |            |   | ACS2909: Internet Programming             | 3 |
|          | GEOG2309: Statistical Tech & Env Analysis                     | 3 |                  |   |            |   |   |   |
|          | GEOG2316: Intro to Remote Sensing                             | 3 |                  |   |            |   | PHYS2102: Scientific Computing (C+)       | 3 |
|          | 1 of the following:   | 3 |                  |   |            |   | PHYS2104: Scientific Computing Python     | 3 |
|          | GEOG2503: Manitoba's Phys & Human Env.                        | Ū |                  |   |            |   |   |   |
|          | GEOG3216: Arctic Environments                                 |   |                  |   |            |   |   |   |
|          | GEOG3508: Geographical Issue in the Dev. World                |   |                  |   |            |   |   |   |
|          | GEOG3510: Prairie Landscapes                                  |   |                  |   |            |   |   |   |
|          | GEOG3511: Topical Regions in Geography                        |   |                  |   |            |   |   |   |
|          | GEOG3512: Human Geography of Northern Canada                  |   |                  |   |            |   |   |   |
|          |   |   |                  |   |            |   |   |   |
| 3rd year | GEOG3509: Canada's Phy & Human Env.                           | 3 |                  |   |            |   | ACS3909: Adv Internet Programming         | 3 |
| •        | GEOG3330: Research Methods in Geography                       | 3 |                  |   |            |   | <u> </u>                                  |   |
|          |   |   |                  |   |            |   |   |   |
|          | 2 of 3 below:   | 6 |                  |   |            |   |   |   |
|          | GEOG3306: Advanced GIS<br>GEOG3307: Advanced Computer Mapping |   |                  |   |            |   |   |   |
|          | GEOG3319: Advanced Remote Sensing                             |   |                  |   |            |   |   |   |
|          | GEOGS513. Advanced Remote densing                             |   |                  |   |            |   |   |   |
|          | Human Geo @ 24xx,34xx,44xx                                    | 6 |                  |   |            |   |   |   |
|          |   |   |                  |   |            |   |   |   |
| 4th year | 2 of 3 below:   | 6 |                  |   |            |   |   |   |
|          | GEOG4320: Projects in Geomatics                               |   |                  |   |            |   |   |   |
|          |   |   |                  |   |            |   |   |   |
|          |   |   |                  |   |            |   |   |   |
|          |   |   |                  |   |            |   |   |   |
|          |   |   |                  |   |            |   |   |   |
|          |   |   |                  |   |            |   |   |   |
|          |   |   |                  |   |            |   |   |   |
|          |   |   |                  |   |            |   |   |   |
|          |   |   |                  |   |            |   |   |   |
|          |   |   |                  |   |            |   |   |   |