Earth System Science can be defined as the integrated study of the Earth’s places, societies, environments, and landscapes. Among academic disciplines, Earth System Science is a combination the social sciences and physical sciences. We study natural processes, their interactions, and natural environmental issues, such as climate change.

**Sample Year by Year**

**1ST YEAR**
- BIOL 111/3.0 or BIOL 103/3.0
- GPHY 101/3.0
- GPHY 102/3.0
- ENSC 103/3.0
- 6.0 units of CHEM or PHYS at the 100 level or above
- 6.0 units from MATH or STAT at the 100 level or above
- 6.0 units of electives

**2ND YEAR**
- GEOL 200/3.0
- GPHY 207/3.0
- GPHY 208/3.0
- GPHY 299/3.0
- GPHY 247/3.0
- 3.0 units from GPHY 227/3.0, GPHY 228/3.0, or GPHY 229/3.0
- 3.0 units from GPHY 242/3.0, GPHY 243/3.0, GPHY 342/3.0
- 3.0 units in GEOL
- 6.0 units of electives

**3RD YEAR**
- ENSC 390/3.0
- 21.0 units from EGPY Options
- 6.0 units of electives

**4TH YEAR**
- GPHY 415/6.0
- INSC 400/6.0 or ENSC 501/6.0
- 15.0 units from EGPY Options
- 3.0 units of electives

Note that degree requirements are revised regularly. The most current requirements, including course lists and options, are found in the Academic Calendar at: [Queen's University Academic Calendar](https://www.queensu.ca/ca/academic-calendar).

**2018-19 thresholds**

GPA: 1.9

NO AUTOMATIC ACCEPTANCE

PENDING LIST

**ALUMNI JOBS**

4% of alumni work in **CONSULTING**

16% of alumni work in **GOVERNMENT**

32% of alumni work in **EDUCATION**

**5 REASONS to study GEOGRAPHY AND PLANNING**

1. Hands-on lab and field work. Engage communities, see results.
2. Gain a wide range of transferable skills that stand out in the labour market, like teamwork, cultural sensitivity, and tech savviness.
3. Learn to make sensible judgements about matters involving the physical environment and society.
4. Question the world you live in and get the skills you need to change it.
5. Join a community of scholars with close and interactive relationships with each other.

"Traveling and asking sometimes difficult questions was an integral part of my two geography degrees at Queen’s... the trilogy of land, people, and the struggle over resources, which formed the basis of much of my geography training, shapes not only how we should understand conflicts, but also how we can work to resolve them."

-Krista House, BAH '97

**DEPARTMENT OF GEOGRAPHY AND PLANNING**

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