

Name:	Banner:	Date:
Major (if known):		

Course Requirements

A minimum of B- is required in all courses contributing to the Certificate.

Required Courses (2)	Term-Year	Completed
ENVS / EARTH / GEOG 3500.03 – Geoscience Information Management		
EARTH / GEOG 4520.03 – GIS Applications to Environmental & Geological Sciences		
Elective Courses (2 from the following list)	Term-Year	Completed
GEOG 2000.03 – Cartography		
GEOG 2006.03 – Space, Place, and GIS		
ENVS2100.03 – Environmental Informatics		
BIOL / ENVS / GEOG 3633.03 – Spatial Information & GIS in Ecology		
ENVS / GEOG 3400.03 – Environment and Human Health		
ENVS 3100.03 – Environmental Informatics		
EARTH / OCEA 4320.03 – Seafloor Mapping		
EARTH / GEOG 4530.03 – Environmental Remote Sensing		

Research Component

Completion of a research project with an emphasis in geographic information science via one of the following sets of courses (minimum grade of B-). Approval of research topics in Set 1 are managed by the assigned course instructor. If a student is intending to use a course in Set 2 as their research component, topics must be reviewed and approved by their Departmental Certificate Coordinator.

Set 1	Term-Year	Completed
BIOL / ENVS / EARTH / GEOG / SCIE 4850 – Geographic Information Science Research Project		
Set 2 (one from this list)	Term-Year	Completed
BIOL/MARI 4901.03/4902.03: Honours Thesis		
ENVS 4901.03/4902.03: Honours Thesis		
EARTH 4101.03 / 4101.03 – Research Project		
EARTH 4201.03 / EARTH 4202.03 – Honours Thesis		
SUST 4901.03 / SUST 4902.03 – Honours Thesis		

Final Checklist

Item	Completed
Declared Certificate in Dal Online	
Completed two core classes + two electives	
Completed Research Component through either Set 1 or Set 2	