

Program Ph.D. in Geoscience
Assessment Coordinator for the program _____
Department(s) or Interdisciplinary Council Responsible for the Program Geoscience
Five-Year Implementation Dates - 2012-2017

1. Student Learning Outcomes for the program. List the Student Learning Outcomes for the program.

1. Demonstrate the ability to define a research problem by identifying questions and formulating testing hypotheses.
2. Demonstrate an understanding of scientific ethics.
3. Demonstrate an in-depth understanding of scientific literature for work relevant to research projects.
4. Demonstrate the ability to conduct field and laboratory research related to dissertation projects.
5. Demonstrate a broad knowledge on the subjects closely related to the field of specialization.
6. Demonstrate the ability to do original and creative research.
7. Demonstrate the ability to design and carry a substantial independent research project through to completion
8. Demonstrate the ability to present scientific results to the audience of the scientific community and the general public.
9. Demonstrate the ability to prepare publications and submit them to peer-reviewed journals.
10. Demonstrate an excellent knowledge of at least one field of specialization.

2. Curriculum Alignment of Student Learning Outcomes. Where is the information introduced (I), enriched (E), and/or reinforced (R) in the courses required in the program?

	Required Courses		and other requirements	—————→	—————→
Student Learning Outcomes ↓	GEOL 701	GEOL 795	Dissertation proposal / prospectus	Comprehensive exam	Dissertation defense
1	I	E	R	R	R
2	I	E	E	E	R
3	I	E	R	R	R
4	I	E	R	R	R
5	I	E	E	R	R
6	I	E	E	E	R
7	I	E	E	E	R
8	I	E	R	E	R
9	I	E	E	E	R
10	I	E	E	R	R