

EARTH SCIENCES, PH.D.

Degree Requirements

Program Requirements

The Department of Earth Sciences requires that where admission to the Ph.D. program is directly from a Master's degree, a thesis plus the following is required for a total of a minimum of 12 credit hours:

Course	Title	Hours
GEOL 7760	Seminar in Geological Sciences	3
Select a minimum of 9 credit hours (minimum 6 at the 7000 level, maximum 3 at the 3000 or 4000 level)		9
Total Hours		12

In the case of admission to the Ph.D. without a Master's degree, a thesis plus the following is required for a total of a minimum of 15 credit hours:

Course	Title	Hours
GEOL 7760	Seminar in Geological Sciences	3
Select a minimum of 12 credit hours (minimum 9 at the 7000 level, maximum 3 at the 3000 or 4000 level)		12
Total Hours		15

Expected Time to Graduate: 4 years

Progression Chart

Ph.D. in Earth Sciences (with M.Sc. degree)

Course	Title	Hours
Year 1		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
Hours		0

Years 1-2		
GEOL 7760	Seminar in Geological Sciences (continues each term)	3
Select 9 credit hours from the following:		9
7XXX	Approved courses at 7000 level (6 min credit hours)	
3XXX or 4XXX	Approved courses at 3000 or 4000 level (3 max credit hours)	
GRAD 8010	Doctoral Candidacy Examination	0
Hours		12

Years 3-4		
GRAD 8000	Doctoral Thesis	0
Hours		0
Total Hours		12

Ph.D. in Earth Sciences (transfer from Master's program or admitted without Master's degree)

Course	Title	Hours
Year 1		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
Hours		0

Years 1-2		
GEOL 7760	Seminar in Geological Sciences (continues each term)	3
Select 12 credit hours of the following:		12
7XXX	Approved courses at 7000 level (9 min credit hours)	
3XXX or 4XXX	Approved courses at 3000 or 4000 level (3 max credit hours)	
GRAD 8010	Doctoral Candidacy Examination	0
Hours		15
Years 3-4		
GRAD 8000	Doctoral Thesis	0
Hours		0
Total Hours		15

Coursework is normally completed in the first 2 years, and thesis is normally completed Year 4–5. Adjustments may be made with the supervisor's consultation and approval.

Students are required to complete a Ph.D. thesis proposal (normally within 12 months of start of program). The proposal must include an introduction with citation of relevant literature, the research objectives, the proposed methodology including a timetable, the anticipated significant of the research, and references. A proposed budget must be appended to the proposal.

Students are required to submit a report (proposals, results and timetable of thesis work) to the Head on or before February 1 annually. Reports are generally 1 to 2 pages in length.

Students must produce a thesis that is appropriate for the Ph.D. degree being sought and must successfully defend their thesis as determined by the assigned examining committee.