

Geoscience, PhD

Requirements

The Doctor of Philosophy program in geoscience requires a minimum of 72 s.h. of graduate credit. Throughout their graduate study, PhD students must maintain a grade-point average of at least 3.00 in all coursework required for their degree.

The PhD requires a dissertation, which has the approximate research content of three published papers. Students demonstrate competence by completing appropriate coursework and defending their dissertation.

Entering students must consult with a research advisor or the department's director of graduate study before they enroll in courses. By the first month of their second semester of doctoral study, all students must select an advisor. Each student must also select a thesis topic and forward it to the department chair for approval by the end of the first month of the second semester of doctoral study.

During the second semester of doctoral study, each student should propose an advisory committee of at least five faculty members to the department chair for approval. Before the end of the second semester, students must obtain their committee's approval of a suitable plan of study to be submitted to the department chair for approval. In consultation with the advisor and other faculty members, each doctoral candidate prepares a formal dissertation proposal approved by their committee and submitted to the department chair for approval by the end of the candidate's third semester of doctoral study.

Students are required to include in their plan of study at least 18 s.h. of regular coursework taught by tenured or tenure-track faculty in the School of Earth, Environment, and Sustainability. Students must earn the 18 s.h. after being admitted to and enrolling in the PhD program. Directed study and research credit do not count toward the required 18 s.h.

All entering students are required to enroll in SEES:7270 Orientation, Scholarly Integrity, and Responsible Conduct of Research during the fall semester of their first year in the graduate program.

After earning their first 24 s.h. of graduate credit, students must be enrolled at least two consecutive semesters in full-time study (at least 9 s.h. per semester) at the University of Iowa; or they must be enrolled three consecutive semesters for at least 6 s.h. per semester at the university, during which they hold at least a one-quarter-time assistantship that is certified by the department as contributing to their doctoral program.

Students should complete most of their coursework before taking their comprehensive examination, which consists of both written and oral portions and which must be passed before the end of the fourth semester of doctoral study.

Once candidates have passed the comprehensive examination, they are required to register each semester until they receive the degree. Those who have completed their plan of study may register for GRAD:6002 Doctoral Continuous Registration or GRAD:6003 Doctoral Final Registration.

Students must submit their written dissertation to the committee at least two weeks before the final examination. All candidates must deliver a one-hour public presentation

associated with the dissertation defense. They are also required to submit a manuscript presenting the results of their graduate research to a refereed journal or other publication approved by the department chair before they may defend their dissertation.