

GEOGRAPHY - DOCTOR OF PHILOSOPHY (PHD)

The basic purpose of the graduate program in the Department of Geography is to train scholars and professionals to produce and disseminate knowledge and to make outstanding contributions in the public and private sectors.

Students wishing to pursue graduate work in geography leading to candidacy for advanced degrees should read the Doctoral Degree Requirements (<https://catalog.colorado.edu/graduate/degree-requirements/doctoral-degree-requirements/>) section carefully.

Requirements

Prerequisites

For admission without deficiency and to meet the department mandatory requirements for a knowledge of basic geography, all entering graduate students are required to possess the knowledge presented in freshman-level introductory courses in physical and human geography.

Students may acquire this knowledge in any way they choose: by formally taking the introductory courses, by auditing the courses, by reading the textbooks themselves or by other means. This knowledge will enable the student to perform at the level expected in the PhD program's required core classes.

General Requirements

The PhD degree is not conferred merely upon the satisfactory completion of a course of study. The candidate must also demonstrate proficiency in some broad subject of learning, and be able to critically evaluate work in the field, show the ability to work independently in the chosen field and make an original contribution of significance to the advancement of knowledge.

The minimum requirements are 30 credit hours of coursework numbered 5000 or above and 30 credit hours of dissertation. Ordinarily the number of coursework hours and dissertation hours will be greater than 30 each. At least 20 of these hours must be taken at the University of Colorado; up to 10 credit hours from another institution may be transferred upon approval.

A 3.00 (B) average or higher must be maintained in all coursework.

Six semesters of residence are required, of which four must be at the University of Colorado. With department approval, students with a University of Colorado master's degree in geography may apply all credit hours from 5000-level courses or above (except thesis credits) to the PhD requirements.

Language Requirement

The department's minimum language requirement is a demonstration of proficiency in one foreign language. Ways in which this requirement may be satisfied are determined by the student's Advisory Committee and may include timed translation, publication in the language and/or coursework. If more than the minimum proficiency is needed for library and/or field research, the choice and number of languages, as well as the required level of skill and methods of testing these skills, are determined and approved by the student's Advisory Committee. The

language requirement must be satisfied before the comprehensive exam is taken.

Preliminary Exam

The Graduate School requires that all students in the doctoral program successfully pass a preliminary exam. In geography, this requirement is met by obtaining a grade of B or better in each of the three required courses:

Code	Title	Credit Hours
Required Courses		
GEOG 5152	History and Theory of Geography	3
GEOG 5161	Research Design in Geography	3
GEOG 5023	Advanced Quantitative Methods for Spatial Data	4
or GEOG 5722	Field Methods in Human Geography	

Following completion of the preliminary exam requirement, students undertake preparation for comprehensive exams.

Comprehensive Exams

Following successful completion of the preliminary exam, doctoral students must pass a comprehensive exam for advancement to candidacy for the doctoral degree. The comprehensive exam consists of two parts, including an exam on three subfields of geography with written and oral components, and completion of a written dissertation proposal and oral defense. Working together, the student and an Advisory Committee of three to five faculty set the subfield topics. The student creates a reading list for each subfield, and usually spends a semester reading and preparing for the subfields exam. The Advisory Committee sets the subfields exam questions and evaluates the written and oral responses, as well as the proposal defense. Upon successful completion of the comprehensive exam, a student can turn full attention to dissertation research and writing.

Dissertation

In addition to the minimum of 30 hours of coursework required for the doctorate, a student must register for a total of at least 30 hours of dissertation credit, with a maximum of 10 hours in any one semester. Coursework and work on the dissertation may proceed concurrently throughout the PhD program, but at no time shall a doctoral student register for more than 15 hours of 5000-level courses and above.

Following successful completion of comprehensives and admission to candidacy, students must register continuously. Students admitted to candidacy for degree will register for and be charged for a minimum of five dissertation hours each semester. Students may also register for classes in addition to the five dissertation hours.

After admission to candidacy, those not making use of campus facilities may register for three dissertation hours (part-time status). Continuous registration during the academic year will be required until completion of the dissertation defense. It is expected that the student and advisor will consult each semester as to the number of hours for which the student will register, consistent with the classifications described above.

Learning Outcomes

By the completion of the program, students will be able to:

- Demonstrate a familiarity of the history of core foundational knowledge and familiarity of core theoretical frameworks utilized within the discipline.
- Demonstrate a working knowledge and the appropriate application of qualitative and quantitative methods specific to the student's area of research.
- Demonstrate, in both written and oral formats, a thorough understanding of three subjects relevant to their dissertation, based on questions provided by their advisory committee.
- Develop a research proposal that demonstrates their ability to develop high-quality research based on novel research questions coupled with the application of appropriate methodologies.
- Demonstrate the ability to effectively communicate their research, in both written and oral forms, to the academic community.