The PhD consists of 45 hours and is designed for student flexibility in selecting course work. Courses are selected with approval from graduate committee. The program of study should consist of 16 or more hours of 8000- and 9000-level courses in addition to research, dissertation writing, and directed study. Students may not take more than 6 hours of special problems, internships, directed study, or field experience toward the degree. Cumulative GPA must be 3.0 or higher. D and F grades will not be accepted as part of a program of study for a graduate degree.

**ALEC Core Courses (12 hours)**
- ALDR 8100 Teaching and Learning Theory
- AGCM 8710 Agricultural and Environmental Science Communication Theory
- ALDR 8510 Leadership in a Global Society
- ALDR 8890 Leading Change Capstone

**Quantitative or Qualitative Research Methods (12 hours)**
- ALDR 8200E Research Methods (if not previously taken in Master’s program)

**Electives (12 hours)**
- ALDR 6080 Agriculture and Extension Administration
- ALDR 6540 Advanced Leadership Theory, Ethics, and Culture
- ALDR 6600 Global Issues Seminar
- ALDR 6710 International Agricultural Development
- ALDR 6800 Grantseeking
- ALDR 7040 Programming for Ag Youth Groups
- ALDR 7310 Programing for Agricultural Youth Groups
- ALDR 7100 Ag Leadership Directed Study
- ALDR 7110 Special Problems in Ag Leadership
- ALDR 7230 Adult Education
- ALDR 7340 Collaborative Problem Solving and Preferences for Change
- ALDR 7350 Team and Organizational Development
- AGED 7460 Student Teaching
- AGCM 7600 Digital Storytelling
- ALDR 8100 Teaching and Learning Theories in Ag Leadership, Education, and Communication
- AGCM 8100 Culture-Centered Communication
- ALDR 8150 Program Development for Agricultural Leaders
- ALDR 8300 History and Philosophy of Agricultural Education
- ALDR 8310 Leading Volunteers in AES
- ALDR 8340 Experiential Learning
- ALDR 8350 Program Evaluation
- ALDR 8400E Advanced Program Evaluation and Data Analysis
- ALDR 8500E Change Theories in Environmental Conservation
ALDR 8610 Field Research Methods
AGCM 8700 Communicating about Agricultural and Environmental Innovation

Students are encouraged to diversify their course selection campus-wide. Courses outside the ALEC department should be approved by the graduate committee to meet student’s educational needs.

**Research (6 hours)**
ALDR 9300 Dissertation Research (6 credits required)
ALDR 9000 Doctoral Research

**Total = 45 hours**