

# NATURAL RESOURCES AND SUSTAINABILITY

School of Natural Resources and Agricultural Sciences  
School of Management  
907-474-7188  
[www.uaf.edu/snras/](http://www.uaf.edu/snras/)  
[www.uaf.edu/som/](http://www.uaf.edu/som/)

## Ph.D. Degree

Minimum Requirements for Degree: 18 credits

The joint Ph.D. Program in natural resources and sustainability prepares future leaders as academic researchers, agency professionals and analysts of non-governmental organizations and communities for careers at the frontiers of science in the management of natural resources and environment.

Exploring and understanding natural resource management systems requires both a well-defined skill set and a clear understanding of how specific problems are linked to broader cultural, ecological and geopolitical contexts. Thus, the study of natural resources and sustainability encompasses a spectrum of topics. The Ph.D. builds on the existing strengths of the School of Natural Resources and Agricultural Sciences and School of Management faculty members to educate students in specific areas while training them to be conversant in the broader range of relevant topic areas.

The program objectives and its curriculum center around three thematic areas of study: 1) resource economics, 2) resource policy and sustainability science, and 3) forest and agricultural sciences. Each student draws on a common set of core courses, and with his/her graduate committee, develops a program of course work and research that produces a unique intellectual contribution to the applied field of natural resources and sustainability. Students elect to focus on one of the three thematic areas or they choose to integrate foci to develop their areas of knowledge and dissertation research.

## Graduate Program — Ph.D. Degree

1. Complete the general university requirements (page 202).
2. Complete the Ph.D. degree requirements (page 207).
3. Complete course work in thematic area(s) as determined by the advisory committee.
4. Required and elective elements of the plan of study:
  - a. Complete the following core course requirements:  
NRM 647—Global to Local Sustainability ..... 3  
NRM 649—Integrated Assessment and Adaptive Management..... 3  
NRM 692—Natural Resources and Sustainability Ph.D. Seminar  
Complete two semesters..... 2
  - b. Outreach activity of one annual public presentation
  - c. Advancement to candidacy occurs when the student demonstrates mastery in understanding sustainability and in-depth knowledge of the student's dissertation research topic area. Requirements for advancement to candidacy are determined by the academic committee of the student, and shall be consistent with the candidacy requirements for Ph.D. studies at UAF. The basis of the evaluation will be written and oral comprehensive exams.
  - d. Dissertation defense seminar
  - e. Dissertation defense examination
  - f. Doctoral dissertation
5. Minimum credits required ..... 26