Department of Agricultural and Extension Education

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The mission of the Department of Agricultural and Extension Education includes teaching, research, and service. The specific objectives of the department are: (1) to prepare educators for employment in teaching agriculture and extension programs; (2) to provide service and direction to FFA in Idaho; (3) to prepare for careers in general learning/ranching or entry level positions in agricultural industry and agribusiness; (4) to provide an opportunity for graduate study in the areas of agricultural and extension education; (5) to assist in providing inservice education for agricultural educators in Idaho; (6) to provide service to related agencies and organizations for the support of education and the development of human resources; (7) to conduct quality research in agricultural and extension education; (8) to assist in maintaining viable agricultural education programs; and (9) to assist in the development of information and instructional materials for the support of agricultural educators and extension personnel.

Courses in animal science, agricultural economics, agricultural mechanics, entomological science, plant science, horticulture, and soil science will prepare graduates to teach these areas as secondary agriculture instructors or develop educational programs as county extension faculty. The agricultural education curriculum is approved by the State Board for Professional-Technical Education. Graduates who have completed a minimum of 28 credits in agricultural education and who meet the state certification requirements for a standard secondary teaching certificate are qualified to teach secondary agriculture. Government and agribusiness agencies that seek persons with training in agriculture and education provide employment opportunities for graduates of this curriculum. Courses provide students an opportunity to develop employment opportunities in teaching agriculture, cooperative extension, and agribusiness occupations.

The department provides opportunities for professional growth and development to agricultural educators through a planned program of graduate study. The pursuit of an M.S. degree allows for the development of problem-solving skills through scientific investigation of appropriate research topics. Graduate work in agricultural and extension education is offered with the opportunity for students to elect options in agricultural sciences, extension education, professional-technical teacher education, international agricultural education, or other areas that parallel their career goals. Because of the diversity of research efforts by departmental faculty members, a graduate student has a wide variety of specializations from which to choose a thesis topic. Students with this degree are well prepared to move into a job market or to pursue a Ph.D. program at another institution.

Admission to a graduate program requires an undergraduate degree with a major in agricultural education or a closely related field. The department may require the Graduate Record Examination if there is insufficient information available to indicate that the student will be successful in graduate work.

The department welcomes inquiries about its programs and suggests that anyone interested in possible pursuit of a degree in agricultural and extension education should contact the department (telephone 208/885-6358).

Courses

See Part 6 for courses in Agricultural Education (AgEd) and Agricultural Science and Technology (Ag).

Undergraduate Curricular Requirements

AGRICULTURAL EDUCATION (B.S.Ag.Ed.)

Required course work includes the university requirements (see regulation J-3) and the following:

This major is approved by the State Board of Professional-Technical Education for the preparation of high school agriculture instructors. Graduates who have completed at least 28 credits in agricultural education, and who meet the state certification requirements for a Standard Secondary Teaching Certificate, are eligible to teach secondary agricultural science and technology in Idaho. Students must be admitted to the Teacher Education Program, which requires a grade-point average of at least 2.75, before being allowed to enroll in upper-division teacher education courses and participate in student teaching. The Idaho teaching certificate transfers to most states in the US. In addition, government and business agencies and the Cooperative Extension System that seek persons with education in both agriculture and education provide employment opportunities for graduates of this curriculum.

AgEd 180 Introduction to Agricultural and Extension Education (2 cr)
AgEd 351 Principles and Philosophy of Professional-Technical Education (3 cr)
AgEd 358 Supervising FFA and SAE Programs (2 cr)
AgEd 451 Communicating in Agriculture (2 cr)

AgEd 452 Methods of Teaching Agriculture (3 cr)
AgEd 453 Program Planning in Secondary and Adult Ag Education (3 cr)
AgEd 454 Facilities Organization and Management (2 cr)
AgEd 460 Practicum: Secondary School Teaching in Agriculture (10 cr)
AgEd 461 Student Teaching Portfolio (2 cr)
AgEd 470 Proseminar in Agricultural Education (2 cr)
ASM 107 Beginning Welding (2 cr)
ASM 202 Agricultural Shop Practices (2 cr)
ASM 210 Small Engines (2 cr)
Comm 101 Fundamentals of Public Speaking (2 cr)
Econ 202 Principles of Economics (3 cr)
EDCI 201 Contexts of Education (2 cr)
EDCI 301 Learning, Development, and Assessment (3 cr)
EDCI 463 Literacy Methods for Content Learning (3 cr)
Engl 313 Business Writing or Engl 317 Technical Writing (3 cr)
Psyc 101 Introduction Psychology (3 cr)
PTTE 461 Using Internet-Based Career Information in the Classroom (2 cr)
One course from the following (3-4 cr):
- Math 130 Finite Math (3 cr)
- Math 143 Pre-calculus Algebra & Analytical Geometry (3 cr)
- Math 160 Survey of Calculus (4 cr)
- Math 170 Analytical Geometry & Calculus I (4 cr)

Ag electives, which include a minimum of 6 cr in Ag Econ, 6 cr in Animal Sci, 6 cr in Plant Sci, 3 cr in Horticulture, and 4 cr in Soils (40 cr)
Natural and applied science electives, which include Chem 101 and Biol 115 (16 cr)
Electives to total 132 cr for the degree

AGRICULTURAL SCIENCE, COMMUNICATION AND LEADERSHIP (B.S.Ag.L.S.)

Required course work includes the university requirements (see regulation J-3) and:

Agricultural and Life Science Core

ASM 305 GPS and Precision Agriculture (3 cr)
Biol 115 Cells and the Evolution of Life (4 cr)
Chem 101 Introduction to Chemistry I or Chem 111 Principles of Chemistry I (4 cr)
Comm 101 Fundamentals of Public Speaking (2 cr)
Engl 313 Business Writing or Engl 317 Technical Writing (3 cr)
Soil 205 The Soil Ecosystem (3 cr)
Stat 251 Statistical Methods (3 cr)
One of the following (3-4cr):
- Math 130 Finite Mathematics (3 cr)
- Math 143 Pre-calculus Algebra and Analytic Geometry (3 cr)
- Math 160 Survey of Calculus (4 cr)
- Math 170 Analytic Geometry and Calculus I (4 cr)

Agricultural Science, Communication and Leadership Courses

Acct 201 Introduction to Financial Accounting (3 cr)
AgEc 278 Farm and Agribusiness Management (4 cr)
AgEc 289 Agricultural Markets and Prices (3 cr)
AgEd 180 Introduction to Agricultural and Extension Education (2 cr)
AgEd 406 Exploring International Agriculture (2 cr)
AgEd 450 Developing Leaders (2 cr)
AgEd 451 Communicating in Agriculture (2 cr)
AgEd 498 (s) Internship (5-10 cr)
Econ 202 Principles of Economics (3 cr)
Additional Natural and Applied Sciences (8 cr)
Upper-Division Agricultural Economics elective (3 cr)
One of the following (18 cr)
- Nine credits in two different subject areas chosen from Agricultural System Management (ASM), Animal and Veterinary Science (AVS), Entomology (Ent), Family and Consumer Science (FCS), Food Science (FS), Plant Science (PlSc), and Soils (Soil).
- 12 credits in one subject area chosen from Agricultural System Management (ASM), Animal and Veterinary Science (AVS), Entomology (Ent), Family and Consumer Science (FCS), Food Science (FS), Plant Science (PlSc), and Soils (Soil) AND Six credits from a Foreign Language.

Communication Electives including one upper-division course (12 cr):
- Comm 233 Interpersonal Communication (3 cr)
- Comm 235 Organizational Communication (3 cr)
- Comm 331 Conflict Management (3 cr)

Comm 332 Communication and the Small Group (3 cr)
Comm 431 Applied Business and Professional Communication (3 cr)
JAMM 121 Media Writing (3 cr)
JAMM 252 Principles of Public Relations (3 cr)
Leadership Electives (12 cr):
AgEd 253 Parliamentary Procedure (1 cr)
AgEd 359 Developing 4-H Youth Programs (2 cr)
AgEd 448 Foundations of Extension Education (2 cr)
Bus 311 Introduction to Management (3 cr)
Bus 413 Leadership and Organizational Behavior (3 cr)
Bus 418 Organization Design and Changes (3 cr)
CSS 486 Public Involvement in Natural Resource Management (3 cr)
CSS 491 Wilderness Leadership for Personal Growth (3 cr)
MS 101 Introduction to Military Science (1 cr) and MS 111 Leadership Lab (1 cr)
MS 102 Fundamentals of Leadership and Management (1 cr) and MS 112 Leadership Lab (1 cr)
MS 201 Applied Leadership and Management (2 cr) and MS 211 Leadership Lab (1 cr)
MS 202 Applied Leadership and Management (2 cr) and MS 212 Leadership Lab (1 cr)
NR 310 Leadership for Natural Resources Management (1 cr)
PEP 460 Competition and Social Values (3 cr)
Rec 254 Camp Leadership (3 cr)
Rec 320 Outdoor Recreation Leadership (2 cr)
Electives to total 128 cr for the degree

Academic Minor Requirements

AGRICULTURAL EXTENSION EDUCATION MINOR

AgEd 180 Introduction to Agricultural and Extension Education (2 cr)
AgEd 359 Developing 4-H Youth Programs (2 cr)
AgEd 446 Youth Education in Agriculture (2 cr)
AgEd 447 Adult Education in Agriculture (2 cr)
AgEd 448 Foundations of Extension Education (3 cr)
AgEd 450 Developing Leaders (2 cr)
AgEd 451 Communicating in Agriculture (2 cr)
AgEd 498 Internship (6 cr)

Undergraduate Academic Certificates Requirements

SUSTAINABLE SMALL ACREAGE FARMING AND RANCHING ACADEMIC CERTIFICATE

Ag 298 Internship (3 cr)
Ag 417 NxLevel's Agricultural Entrepreneurship – Tilling the Soil of Opportunity (3 cr)
Soil 416 Sustainable Small Acreage Farming and Ranching (3 cr)
Sustainable Production Electives (3 cr):
Ag 101 Organic Gardening and Farming (3 cr)
Ag 404 Special Topics (cr arr)
AVS 404 Special Topics (3 cr)
Sustainable Food Systems Electives (3 cr):
PlSc 360 World Agricultural Systems (3 cr)
Credits to total 15 for this Academic Certificate

Graduate Degree Program

Candidates must fulfill the requirements of the College of Graduate Studies and of the Department of Agricultural and Extension Education. See the College of Graduate Studies section of Part 4 for the general requirements applicable to the M.S. degree.

Both thesis and non-thesis options are offered. The M.S. (non-thesis) is a terminal program designed to provide a broader preparation than the M.S. with thesis. Of the minimum of 30 credits required under the non-thesis option, at least 18 must be in courses at the 500s level and the remainder may include 400s level courses in the majors and 300s and 400s level courses in supporting areas. A professional paper is optional at the discretion of the candidate's supervisory committee. A comprehensive examination is required which may be written and/or oral.