

# Agricultural Science & Technology

## Why study agricultural science and technology?

*Are you interested in plant science, animal science, agribusiness, and agricultural education?*

*Do you want to be an extension agent or work in an agricultural industry?*

*Do you want to use state-of-the-art science and technology on your ranch or farm?*

Science and technology have become big parts of agriculture, along with business, marketing, finance, retailing, and related service industries. Whether you're looking for a general, yet comprehensive, knowledge base in agriculture, or want to discover a specific field of study to pursue in more depth, this major gives you the background to succeed in today's rapid-growth agricultural industry. Graduates are prepared for entry-level positions in agriculture and agribusiness, including extension, government service, and business, including farming and ranching.

## Program strengths/highlights

A flexible curriculum lets you choose your agricultural focus and related disciplines. Among areas included are animal science (nutrition, breeding, products), crop production (weed control, plant pathology, soil fertility), agricultural economics (programs, policies, natural resources), agricultural systems management (waste management, irrigation, electrical power), and agricultural education (extension, international agriculture, youth programs). Other options for specialization include food science, microbiology, molecular biology and biochemistry, and family and consumer science.

## Faculty and facilities

We take an active role in academic advising, career development, and personal development. Our faculty advisers work closely with students and utilize distance technology to expand classroom sites and experiences.

## Specialized clubs

The Collegiate FFA develops life-long leadership skills in its members and a lasting interest in community involvement. The club also offers social activities. Membership is open to all majors.

## Departmental scholarships

See the AEE department website: <http://aee.ag.uidaho.edu/>

See also: B. S. in Agricultural Science & Technology via a cooperative effort between the University of Idaho and the College of Southern Idaho (CSI). Contact Amanda Moore-Kriwox, program specialist, at (208) 736-3624.

## Career opportunities

The agricultural sector is the largest employer in the United States, operating in a global context amid rapidly evolving sciences and emerging technologies. Professionals in a diverse range of agricultural services are needed to apply state-of-the-art research and sound business practices.

**Extension agent**—Teach individuals and enterprises how to apply knowledge in animal and crop production, farm management, natural resources, family and consumer sciences, youth development, and agricultural community development.

**Market/sales analyst or agribusiness manager**—Be a technical adviser, consultant, or field operations manager for a large-scale agribusiness operation.

**Financial manager**—Be a technical adviser, consultant, or manager for financial institutions such as banks and insurance companies.

**Technical sales/company representative**—Provide technical training, service, and sales for an agricultural company.

**Public relations/government relations specialist**—Be an advocate for agriculture and economic advancement, addressing issues, policies, and programs.

**Farmer/rancher**—Operate a family or corporate farm or ranch.

---

**Master's degree student**—Apply through the UI College of Graduate Studies to pursue the M.S. degree in agricultural education, either the thesis or nonthesis option.

---

---

*“An agricultural science & technology degree is flexible enough that I was able to choose areas that interested me and prepared me for my career in extension education.”* Kimberly Gardner, agricultural science & technology major

---

**Agricultural Science & Technology**  
degree requirements 2006-07

**English & communications (11 credits)**

Comm 101 Fundamentals of Public Speaking  
Engl 101 Intro. to College Writing  
Engl 102 College Writing & Rhetoric  
*and*  
Engl 313 Business Writing  
*or* Engl 317 Technical Writing

**Natural & applied science (16 credits)**

Biol 115 Cells & the Evolution of Life  
Chem 101 Intro. to Chemistry  
*or* Chem 111 Principles of Chemistry  
Science Elective  
Science Elective

**Mathematics, statistics, & computer science  
(9-10 credits)**

Math 130 Finite Math  
*or* Math 143 Pre-Calculus Algebra &  
Analytic Geometry  
*or* Math 160 Survey of Calculus  
*or* Math 170 Analytic Geometry and Calculus  
Stat 150 Intro. to Statistics  
*or* Stat 251 Principles of Statistics  
ASM 240 Computer Applications in Biological Systems  
(*or* equivalent)  
*or* ITPE test Idaho Technology Certification (required for  
certification)

**General core studies (18 credits)**

7 credits in CORE Discovery  
One approved international course (If Ag Ed 306 count as  
a technical agriculture elective)  
Three courses from an approved cluster (8 credits, at least  
one upper-division course)  
14 credits of humanities & social science courses (6 credits  
in each area)

**Humanities (6 credits)**

CORE Fall Core Discovery  
CORE Spring Core Discovery

**Social science (6 credits)**

Acct 201 Intro. to Financial Accounting  
AgEc 278 Principles of Farm & Ranch Management  
AgEc 289 Agricultural Markets & Prices  
AgEc 300 Elective  
*or* AgEc 400 Elective  
AgEc 356 Agricultural Programs & Policies

**Agricultural science & technology (37 credits)**

Must include 30 hours of upper-division classes

Area 1 (6 credits)  
Area 2 (6 credits)  
Area 3 (6 credits)  
Area 4 (12 credits)

Areas included:

Agricultural education  
Agricultural science & technology  
Agricultural systems management  
Animal & veterinary science  
Family & consumer science  
Food science & toxicology  
Microbiology, molecular biology & biochemistry  
Plant, soil & entomological sciences

Additional technical agricultural credits

**Elective credits to reach degree total of 132**

---

**Note:** Course offerings may change from year to year. Always check the current catalog.

---

**To learn more**

Call toll free 1.88.88.UIDAHO  
<http://www.uidaho.edu>

**Kim Nelson**

Student Recruitment Coordinator  
College of Agricultural and Life Sciences  
208.885.7984 • [kanelson@uidaho.edu](mailto:kanelson@uidaho.edu)  
<http://www.ag.uidaho.edu>

**Marilyn Crumley**

Department of Agricultural & Extension Education  
208.885.6358 • [mcrumley@uidaho.edu](mailto:mcrumley@uidaho.edu)  
<http://aee.ag.uidaho.edu/>