

# Agricultural Science and Technology

## TWIN FALLS CAMPUS

Gain a broad understanding of agriculture and one or more specialty areas.

### THIS MAJOR IS A GOOD FIT IF YOU CAN SEE YOURSELF:

EARNING A UI BACHELOR'S DEGREE at the College of Southern Idaho in Twin Falls

SELECTING YOUR OWN AREAS of technical expertise

ENGAGING in active hands-on learning

This major teaches you about food production and natural resource use. The program emphasizes both breadth and depth of knowledge: Gain proficiency in several topic areas and master at least one. Select topics according to your career goals. Choose from courses in agricultural education; agricultural science and technology; agricultural systems management; animal and veterinary sciences; family and consumer sciences; food science and toxicology; microbiology, molecular biology, and biochemistry; and plant, soil, and entomological sciences.

You can take UI classes at Twin Falls in person, on videotape, by videoconference, and online. You have the option to transfer to the University of Idaho in Moscow for your last two years.

### INSIDE THE CLASSROOM

It's the best of both worlds: the expertise of UI faculty at your fingertips and local courses that let you learn by doing. Tour area farms and visit agribusiness firms when you're studying vegetable crops, taste fermented foods as part of your studies on international agriculture, and visit a golf course when you take sports turf management. Experiment with global positioning systems and learn to score a calf. Depending on your individual interests, you could gain expertise in drip irrigation systems or in dairy cattle operations. Practice public speaking. Learn to present an argument in a well-written essay.

### OUTSIDE THE CLASSROOM

**INTERN.** Get practical experiences like these: USDA NATURAL RESOURCES CONSERVATION SERVICE Provide technical and financial assistance to farmers and ranchers . . . U.S. CONGRESS Research legislation affecting agriculture . . . IDAHO BEAN COMMISSION Write marketing materials and publications.

**STUDY ABROAD.** Deepen your understanding of your major—and the world—in countries like these: NEW ZEALAND Gain a new perspective on agriculture . . . PERU Discover how mango farmers package and market their products . . . TAIWAN See how farms are organized to get the most out of the country's small size.

**GET INVOLVED.** Network and have fun. Attend workshops and conferences: COW/CALF SYMPOSIUM Find out about foreign animal diseases, how to rebuild a herd, and the latest information on animal genetics for today's market . . . NATURAL RESOURCES WORKSHOP Debate resource use, meet experts, and gain exposure to current issues . . . UI POTATO SCHOOL Take seminars on genetically modified crops and precision agriculture at the annual event in Idaho Falls.

### FASTFACT

At 12 field research stations from Sandpoint to Kimberly our faculty solve Idaho's agricultural problems. (*Internships available.*)

### CAREER OPPORTUNITIES

Our graduates are highly sought by employers with starting salaries of up to \$40,000 in government agencies, nonprofit organizations, and businesses.

Here are a few possibilities:

**FARM OR RANCH MANAGER.** Guide all aspects of a crop or livestock operation, including your own.

**FIELD REPRESENTATIVE.** Ensure that your company's products are being used to their best advantage.

**AGRICULTURAL ANALYST.** Provide technical advice and consult on agricultural issues and related topics for a state or federal agency.

**ADULT EDUCATOR.** Provide technical training to farm operators and agriculture companies.

**YOUTH DEVELOPMENT EDUCATOR.** Provide learning opportunities for 4-H, FFA, or other organizations.

**APPRAISER.** Conduct research for farm and ranch appraisals or a leading food processing company.

**COMBINE YOUR EDUCATION.** A second language can open doors to careers with companies that do business in the U.S. and abroad. Depending on your career goals, you might take further courses in communication, marketing, or political science.

**CONTINUE YOUR EDUCATION.** Go on to graduate school in agricultural economics, plant science, animal science, or engineering.

FIND OUT MORE ABOUT THE UNIVERSITY OF IDAHO AGRICULTURAL SCIENCE AND TECHNOLOGY MAJOR IN TWIN FALLS

[WWW.CALS.UIDAHO.EDU/AEE](http://WWW.CALS.UIDAHO.EDU/AEE)

|  | FRESHMAN   | SOPHOMORE  | JUNIOR   | SENIOR   |
|--|--|--|--|--|
| FALL   | <b>Acct 201</b> 3<br>Intro. to Financial Accounting  | <b>Agri 104</b> 4<br>Principles of Farm & Ranch Management | <b>Bus 311</b> 3<br>Intro. to Management   | <b>AgEc</b> 3<br>Elective—AgEc 300 or 400 Level Course |
|  | <b>Agri 109/Lab</b> 4<br>Principles of Animal Science/Lab  | <b>Agri 205/Lab</b> 5<br>General Soils/Lab                 | <b>Engl 313</b> 3<br>Business Writing<br>or <b>Engl 317</b> 3<br>Technical Writing | <b>Elective</b> 3<br>Elective—Technical Agriculture    |
|  | <b>CORE</b> 3<br>Humanities Course   | <b>Biol 201</b> 4<br>Biology I                             | <b>Electives</b> 4<br>Electives—Natural Science/Lab                                | <b>Electives</b> 9<br>Electives                        |
|  | <b>Engl 101</b> 3<br>Intro. to College Writing   | <b>CORE</b> 3<br>Social Sciences Course                    | <b>Elective</b> 3<br>Elective—Technical Agriculture                                |  |
|  | <b>Math 108</b> 3<br>Intermediate Algebra<br>or <b>Math 130</b> 3<br>Finite Mathematics<br>or <b>Math 143</b> 3<br>Pre-Calculus Algebra & Analytic<br>Geometry |  | <b>Elective</b> 3<br>Elective  |  |
|  | <b>TOTAL</b> 16  | <b>TOTAL</b> 16  | <b>TOTAL</b> 16  | <b>TOTAL</b> 15  |
|  | SPRING   | <b>Agri 102/Lab</b> 4<br>Plant Science in Agriculture/Lab  | <b>Agri 250</b> 3<br>Agricultural Markets & Prices                                 | <b>Bus 321</b> 3<br>Marketing                          |
| <b>CORE</b> 3<br>Humanities Course   |  | <b>Comm 101</b> 3<br>Fundamentals of Public Speaking       | <b>Elective</b> 3<br>Elective—International Course                                 | <b>Electives</b> 6<br>Electives                        |
| <b>Chem 101</b> 5<br>Intro. to Chemistry   |  | <b>CORE</b> 3<br>Elective—Humanities/Social Science        | <b>Elective</b> 3<br>Elective—Natural Science                                      |  |
| <b>Engl 102</b> 3<br>College Writing & Rhetoric  |  | <b>Econ 202</b> 3<br>Principles of Economics               | <b>Electives</b> 6<br>Electives—Technical Agriculture                              |  |
| <b>Math 130</b> 3<br>Finite Mathematics<br>or <b>Math 143</b> 3<br>Pre-Calculus Algebra & Analytic<br>Geometry |  | <b>Math 253</b> 3<br>Introductory Statistics               | <b>Elective</b> 3<br>Elective  |  |
| <b>TOTAL</b> 18  |  | <b>TOTAL</b> 18  | <b>TOTAL</b> 18  | <b>TOTAL</b> 15  |

Total for degree = 132 credits. Course offerings may change from year to year. Always check the current course catalog.

TO LEARN MORE  
toll free 1.888.88.uidaho  
1.888.884.3246  
[www.uidaho.edu](http://www.uidaho.edu)

CALS STUDENT RECRUITER  
208.885.7984  
aginst@uidaho.edu  
[www.cals.uidaho.edu](http://www.cals.uidaho.edu)

DEPARTMENT OF  
AGRICULTURAL AND  
EXTENSION EDUCATION  
208.736.3624  
akriwox@uidaho.edu  
[www.cals.uidaho.edu/ae](http://www.cals.uidaho.edu/ae)

*“Our class is tight knit—we work on a lot of group projects and we depend on each other. I’m a traditional student, but many of the others already have years of career experience. They bring knowledge, and they’re serious about the degree, which helps me focus.”*

ASHLEY BAKER, agricultural science & technology major in Twin Falls