UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin–Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (http://guide.wisc.edu/undergraduate/#requirementsforundergraduatestudytext) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS B.S. DEGREE PROGRAMS

<table>
<thead>
<tr>
<th>Code/Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.</td>
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<tr>
<td>Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.</td>
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<td>First Year Seminar (<a href="http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext">http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext</a>)</td>
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## Dairy Science, B.S.

### Biochemistry
Select one of the following: 3-6
- BIOCHEM 301 Survey of Biochemistry
- BIOCHEM 501 Introduction to Biochemistry
- BIOCHEM 507 & BIOCHEM 508 General Biochemistry I and General Biochemistry II
- BMOLCHEM 314 Introduction to Human Biochemistry (offered during summer session only)

### Economics
Select one of the following: 4
- A A E 215 Introduction to Agricultural and Applied Economics
- ECON 101 Principles of Microeconomics

### Dairy Science Core
- AN SCI/DY SCI 101 Introduction to Animal Sciences 4
- DY SCI 233 Dairy Herd Management I 3
- DY SCI 234 Dairy Herd Management II 3
- AN SCI/DY SCI/NUTR Comparative Animal Nutrition SCI 311 3
- AN SCI/DY SCI 361 Introduction to Animal and Veterinary Genetics 2
- AN SCI/DY SCI 362 Veterinary Genetics 2
- or AN SCI/DY SCI 363 Principles of Animal Breeding
- AN SCI/DY SCI 373 Animal Physiology 3
- DY SCI 378 Lactation Physiology 3
- AN SCI/DY SCI 414 Ruminant Nutrition & Metabolism 3
- AN SCI/DY SCI 434 Reproductive Physiology 3

### Capstone
- DY SCI 399 Coordinative Internship/Cooperative Education 1-8
- DY SCI 535 Dairy Farm Management Practicum 3

### Dairy Science Electives
Select at least 3 credits from:
- DY SCI 205 Dairy Cattle Improvement Programs
- DY SCI 272 Pre-Capstone Seminar
- DY SCI 289 Honors Independent Study 1
- DY SCI 299 Independent Study 1
- DY SCI/ AN SCI 370 Livestock Production and Health in Agricultural Development
- DY SCI 375 Special Topics 1

### Total Credits
65-79

1. Consult with your advisor for details.

## UNIVERSITY DEGREE REQUIREMENTS

### Total Degree
To receive a bachelor’s degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

### Residency
Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. “In residence” means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

### Quality of Work
Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.