



**Curriculum Sheet
Bachelor of Science Degree
Dairy Science Major**

CALS Graduation Eligibility Requirements

Advisor/Advisee Notes:

- _____ **Minimum of 120 degree credits**
- _____ **Minimum 2.0 Cumulative GPA**
- _____ **Last 30 Credits in Residence**

UW Requirements

Courses may not double count within university requirements, but courses counted toward university requirements may also be used to satisfy a college requirement &/or a major requirement.

- _____ **Communication Part A (2-3 cr.)** Designated "a" in the Course Guide.
- _____ **Communication Part B (2-3 cr.)** Designated "b" in the Course Guide.
- _____ **Quantitative Reasoning Part A (3 cr.)** Designated "q" in the Course Guide.
- _____ **Quantitative Reasoning Part B (3 cr.)** Designated "r" in the Course Guide.
- _____ **Ethnic Studies (3 cr.)** Designated "e" in the Course Guide.
- _____ **Humanities/Literature/Arts (6 cr.)** Designated H, L, X, or Z in the Course Guide.
- _____ **Social Sciences (3 cr.)** Designated S, W, Y, or Z in the Course Guide.

CALS Requirements

Courses may not double count within college requirements, but courses counted toward college requirements may also be used to satisfy a university requirement &/or a major requirement.

- _____ **First-Year Seminar (1 cr.)** See DARS or <http://www.newstudent.wisc.edu/practices/CALS.php> for full list.
Students who transfer into CALS after freshman year and continuing students who move to the B.S. degree should consult with Undergrad Programs & Services (116 Ag Hall) regarding completion of this requirement.
- _____ **International Studies (3 cr.)** List of eligible International Studies courses can be found at: <http://www.cals.wisc.edu/academics/curriculum-information/cals-international-studies-courses/>
Must complete 3 credits of International Studies coursework.
- _____ **Physical Science Fundamentals (3 cr.)** Must complete one General Chemistry course from the following list: CHEM 103, 108, 109. Consult major requirements prior to selecting.
- _____ **Biological Science (5 cr.)** Designated B or Y in the Course Guide.
- _____ **Additional Science (3 cr.)** Designated B, P, N, W, X, or Y in the Course Guide.
- _____ **Science Breadth (3 cr.)** Designated B, P, N, S, W, X, or Y in the Course Guide.

Possible Overlaps Between UW, CALS, & Major Requirements

Communication Part B
Quantitative Reasoning Part A
Quantitative Reasoning Part B
Social Sciences
Physical Science Fundamentals
Biological Science
Additional Science
Science Breadth

Dairy Science Major Requirements

Courses may not double count within the major (unless specifically noted otherwise), but courses counted toward the major requirements may also be used to satisfy a university requirement &/or a college requirement. A minimum of 15 credits must be completed in the major that are not used elsewhere.

Mathematics and Statistics (6-8 cr.)

____ MATH 112 (q) or 114 (q) or 171 (q) or may be satisfied by placement exam (q)
____ STAT 301 (r) or 371 (r)

Chemistry (5-9 cr.)

____ One of the following sets:
____ CHEM 103 (P) and 104 (P)
____ CHEM 109 (r, P)

Biology (12-13 cr.)

____ One of the following sets:
____ ZOOLOGY 101 (B) and 102 (B) and AGRONOMY 100 (B)
____ ZOOLOGY 101 (B) and 102 (B) and BOTANY 130 (B)
____ BIOLOGY/BOTANY/ZOOLOGY 151 (B) and 152 (b, B)
____ GENETICS 160 (B) or GENETICS 466 (B)

Biochemistry (3-9 cr.)

____ One of the following sets:
____ BIOCHEM 501 (P)
____ BIOCHEM 507 (P) and 508 (P)
____ BMOLCHEM 314 (P) (*offered during summer session only*)

Economics (3-4 cr.)

____ A A E 215 (r, S) or ECON 101 (r, S)

* AAE 215 only carries QR-B credit if taken Fall 2011 or later.

Core (≥32 cr.) _____ AN SCI/DY SCI 101 (B) _____ DY SCI 233 _____ DY SCI 234 _____ DY SCI 305 (B) _____ AN SCI/DY SCI/NUTR SCI 311 (B) _____ AN SCI/DY SCI 313 (B) _____ AN SCI/DY SCI 361 _____ AN SCI/DY SCI 362 or 363 _____ AN SCI/DY SCI 373 (B) _____ AN SCI/DY SCI 414 (B) _____ AN SCI/DY SCI 434 (B) _____ At least 3 credits of Dairy Science electives other than DY SCI 289/299/681/682/699 (see attached list)	
Capstone (5 cr.) _____ DY SCI 399 _____ DY SCI 535 _____ DY SCI 690	
Recommended Dairy Science Electives	
Additional Courses in Dairy Science (All Specializations)	Independent Study Opportunities (All Specializations)
DY SCI 205, 272, 320, 370, 375*, 468	DY SCI 289, 299, 681, 682, 699
Recommended Electives for Students Interested in Veterinary School or Graduate School	
ACCT I S 300 (r) AN SCI 200 (B) CHEM 341 (P), 342 (P), 343 (P), 344 (P), 345 (P), 346 (P) FOOD SCI 325 (B) GEN BUS 310, 311 INTER-AG 155, 165 L SC COM 212 (b), 251	MATH 221 (r), 222 (r) MHR 305 MICROBIO 101 (B), 102 (B), 303 (B), 304 (B), 330 (B) NUTR SCI 203 (S) PHYSICS 103 (r, P), 104 (P) ZOOLOGY 335 (B), 350 (B), 430 (B), 570 (B)
Recommended Electives for Students Interested in Careers in Agri-Business	
ACCT I S 300 (r) A A E 319, 320, 322, 323, 343 (S), 350 (B), 419, 421 (S) AGRONOMY 300 (B), 302 (B) AN SCI 321 C&E SOC 222 (S), 260 (S) FINANCE 300 (S) GEN BUS 310, 311 INTER-AG 155, 165	INTL BUS 200 (S) L SC COM 212 (b), 251, 270, 431 MHR 300 (S), 305 (S) MARKETNG 300 (S) NUTR SCI 203 (S) OTM 300 R M I 300
Recommended Electives for Students Interested in Careers in Dairy Operation Management	
ACCT I S 300 (r) A A E 319, 320, 322, 323, 419 AGRONOMY 300 (B), 302 (B) AN SCI 321 C&E SOC 230 (H, S) ENTOM 201 (B) FINANCE 300 (S) F&W ECOL 248 (S) GEN BUS 310, 311	INTER-AG 155, 165 L SC COM 251, 431 MARKETNG 300 (S) M H R 305 (S) OTM 300 PL PATH 300 (B) R M I 300 SOIL SCI 301 (P), 326 (P) SPANISH 101, 102, 203, 204
*Please see your advisor for details about special topics courses to be taught as 375 (the temporary number assigned to new courses) each semester	

Log of Changes

6/6/12: Changed number of credits in the Core from 22 to 23: DY SCI 305 changed from 2-3 credits, so that changed the total number in the Core; changed 305 credits in four year plan from 2 to 3 in semester 7 (MS)

9/20/2012: Changed AAE 215 (add 'r') to reflect policy allowing course to satisfy quantitative reasoning requirement. AAE 215 only carries QR-B credit if taken Fall 2011 or later. (DS)

7/9/13: Updated to reflect course number changes that will be effective Spring 2014. A A E 344 = 244
BIOCORE 301 = 381, 302 = 382, 303 = 383, 304 = 384, 323 = 485, 324 = 486, 333 = 587 (PG)

12/20/2013: Sueryan updated international courses link to web site

21 May 2014: Updated Biocore course numbers—e.g. BIOCORE 301 (381, effective Spr. 2014) becomes BIOCORE 381. Updated to reflect curriculum changes requested by department. (PG)

27 May 2014: Corrected errors in curriculum updates. (PG)