



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

CALS Graduation Eligibility Requirements

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

Advisor/Advisee Notes:

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/students/undergraduate-programs/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
Humanities/Literature/Arts
Social Sciences
Physical Science Fundamentals
Biological Science
Additional Science
Science Breadth

Horticulture 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

_____ MATH 112 (q) and 113, or 114 (q) or 171* (q) or may be satisfied by placement exam
_____ 3 credits required from: MATH 210 (r), 211 (r), 217* (r), 221 (r), 222 (r), STAT 301 (r), 371 (r), COMP SCI 302 (r)

*If MATH 171 is taken, MATH 217 must also be taken.

Chemistry

_____ CHEM 103 (P) and 104 (P) or CHEM 109 (r, P)

Biology

_____ One of the following sets:

_____ BOTANY 130 (B) and ZOOLOGY 101 (B) and 102 (B)

_____ BIOLOGY/BOTANY/ZOOLOGY 151 (B) and 152 (b, B)

_____ BIOCORE 301 (B) and 303 (B) and two of the following labs:

_____ BIOCORE 302 (b, B), 304 (b, B), or 324 (B)

Foundation

_____ ENTOM 302 (B) or 351 (B)

_____ GENETICS 160 (B) or 466 (B)

_____ HORT/SOIL SCI 326 (P) or BOTANY 500 (r, B)

_____ PL PATH 300 (B) or 309 (B)

_____ SOIL SCI 301 (P)

Core

_____ One course required from: BOTANY 300 (B), 400 (B), 401 (B), 455 (B), 460 (r, B), 500 (r, B)

_____ HORT 120 (B)

_____ HORT 121

_____ HORT 227 (B)

_____ HORT 320 (B)

_____ HORT 334*

_____ 3 courses required from: HORT 345*, 370, 232* (B) or 233 (B)*, [261 or 375-Lawns, Society and the Environment], 263 (B)

*Alternate years

Electives

_____ 5 credits required from any combination of the following subsets:

Ag Social Science: A A E 320, 322 (S), 323 (S), 421 (S), 474 (S), C&E SOC 140 (S), 222 (S), 230 (H, S), 578 (S), 650 (S), L SC COM 111 (b), 212 (b), 320 (LSC 111 prereq)

Biological Systems Engineering: BSE 201, 216 (P), 218, 243 (P), 356, 372, 472

Food Science: FOOD SCI 440 (B), NUTR SCI 510 (B)

Nutritional Science: NUTR SCI 132 (B), 311 (B), 332 (B), 350 (B), 540 (B)

Ecological Sciences: F&W ECOL 110 (B), 230, 314, 335 (B), 360 (B), 430 (B), 455 (B), 460 (r, B), 550 (B), ENTOM 342 (B), LAND ARC 361 (B)

Resource management and conservation: ENTOM 500 (B), 541 (B), F&W ECOL 379 (B), 410 (B), 501, 561 (B), 652 (r, B), 655 (B), GEOG 339 (S), LAND ARC 250 (H), 651, 666 (B), PL PATH 309 (B), ZOOLOGY 315 (B), 316 (B), 651 (r)

Capstone

_____ HORT 372 or 374 or a course as approved by advisor and chair of the curriculum committee*usually taken as a HORT 399 or 699.

*Example activities include broad-based internships or broad-based international study.

Recommended Horticulture Electives

CHEM 341 (P), GEN BUS 310, 311, HORT 375 (Arboriculture and Landscape Maintenance), 461, 501 (B), 502 (B), 550 (B), 555, 561 (B), L SC COM 270

OTHER HORT courses depending on student focus

Horticulture Major

Bachelor of Science Degree

SAMPLE Four-Year Plan

Last Updated: June 2011

This Sample Four-Year Plan is a tool to assist you and your advisor in planning your academic career. Use it along with the Curriculum Sheet for your program, your DARS report, and the Course Guide.

	Fall Semester Sample Courses	Credits	Fall Semester Actual Courses	Credits	Spring Semester Sample Courses	Credits	Spring Semester Actual Courses	Credits
Year 1	HORT 120 HORT 121 BOTANY 130 MATH 112 FIRST-YEAR SEMINAR COMM-A	3 1 5 3 1 3 16			HORT 227 MATH 113 CHEM 103 INTERNATIONAL STUDIES ELECTIVE ¹	3 2 4 3 3 15		
Year 2	ZOOLOGY 101 & 102 HORT 232, 261, 263, or 370 ² CHEM 104 ELECTIVE	5 3 5 3 16			SOIL SCI 301 HORT 233 or 345 HORT 326 or BOTANY 500 ELECTIVES	4 3 3-4 4-5 14-16		
Year 3	COMM-B HORT 320 PL PATH 300 ELECTIVES (Hort or Other) ³	3 3 4 5-6 15-16			HORT 233 or 345 HORT 334 MATH/STATS/COMP SCI ELECTIVES (Hort or Other) ³	3 2 3-5 5 13-15		
Year 4	ENTOM 302 or 351 (fall or spring) HORT 374 (Capstone) GENETICS 160 BOTANY COURSE ⁴	3-4 2 3 4-5 12-14			HORT 372 (if Capstone not taken in fall) ELECTIVES	1 14 ⁵ 15		

Notes:

¹ Elective credits are required in Ethnic Studies, Humanities, and Social Science. Also, 5 credits of additional electives are required from six subsets (see curriculum sheet for course options).

² HORT 232, 233, 334, 335, 345, 375 & 461 only offered every other year. Consult Course Guide and your advisor and plan ahead.

³ Five (5) credits of electives must be chosen from list on Curriculum Sheet. Other electives may be used to satisfy UW and/or CALS requirements.

⁴ See specific Botany requirement on the Curriculum Sheet under Horticulture Core.

⁵ Note that at least 120 credits must be completed to be eligible for graduation. Aim to complete an average of 15 credits per semester.