



**Curriculum Sheet
Bachelor of Science Degree
Plant Pathology 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/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
Ethnic Studies
Social Sciences
Physical Science Fundamentals
Biological Science
Additional Science
Science Breadth

Plant Pathology 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.

Core Math

_____ Math 112 (q) & 113 or MATH 114 (q) or MATH 171 (q) or may be satisfied by placement exam (q)

***Students in the Plant Health and Industry Track may request permission to complete this requirement with MATH 112 plus one of the following:

_____ any MATH course above 200 or STAT 224 (r) or 301 (r) or 371 (r) or 541 (r) or 571 (r) or COMP SCI 302 (r)

Core Chemistry

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

Introductory Biology

_____ One of the following sets:

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

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

BIOCORE 301 (381, effective Spr. 2014) (B) and 302 (382, effective Spr. 2014) (b, B) and 303 (383, effective Spr. 2014) (B) and 304 (384, effective Spr. 2014) (b, B)

Core Physics

_____ PHYSICS 103 (r, P) or 201 (r, P) or 207 (r, P)

Plant Pathology Core

_____ PL PATH 300 (B)

_____ BOTANY/PL PATH 332 (B)

_____ Another PL PATH course above 300 (not including PL PATH 375 or independent study credits – PL PATH 299, 399, 681, 682, 691, 691, and 699)

Track

Complete 1 track from following page:

_____ PLANT-MICROBE BIOLOGY TRACK or PLANT HEALTH & INDUSTRY TRACK

Capstone (3 cr.)

_____ PL PATH 590

<u>Plant-Microbe Biology Track</u>	<u>Plant Health and Industry Track</u>
<p><u>Additional Mathematics and Statistics</u> (8-10 cr.) _____ MATH 211 (r) or 217* (r) or 221 (r) _____ MATH 222** (r) or STAT 301 (r) or STAT 371 (r, N) *MATH 171 and 217 must be taken together. **MATH 221 is a prerequisite for MATH 222</p> <p><u>Additional Chemistry</u> (8 cr.) Satisfy one option below: _____ CHEM 343 (P) and 344 (P) and 345 (P) _____ CHEM 341 (P) and 342 (P)</p> <p><u>Biology</u> (8 cr.) Satisfy one option below: <i>Option 1:</i> _____ MICROBIO 303 (B) and 304 (B) _____ GENETICS 466 (B)</p> <p><i>Option 2:</i> _____ two of the following: BIOCORE 323 (485, effective Spr. 2014) (B) or 324 (486, effective Spr. 2014) (B) or 333 (587, effective Spr. 2014) (B)</p> <p><u>Additional Physics</u> (4-5 cr.) _____ PHYSICS 104 (P) or PHYSICS 202 (P) or PHYSICS 208 (P)</p> <p><u>Plant Physiology</u> (3-4 cr.) _____ BOTANY 500 (r, B)</p> <p><u>Plant-Microbe Electives</u> (5 cr.) _____ 5 credits from: BIOCHEM 501 (P), BOTANY 300 (B), [400 (B) or 401 (B)], 460 (r, B), ENTOM 302 (B), or any PL PATH course above 300</p>	<p><u>Biology</u> (3 cr.) _____ GENETICS 160 (B) or 466 (B)</p> <p><u>Core</u> (3 cr.) _____ PL PATH 558 (B) or 559</p> <p><u>Plant Health and Industry Electives</u> (24 cr.) _____ 24 credits taken from at least two different departments of the courses listed below:</p> <p>AGRONOMY 100 (B), 300 (B), 302 (B), 328 BOTANY 260 (B), 300 (B), 460 (r, B), 500 (r, B) BIOCHEM 501 (P) BSE 216 (P) C&E SOC 140 (S), 222 (S), 230 (H, S), 578 (e, S), 650 (S) ENTOM 201 (B), 302 (B), 342 (B), 541 (B) F&W ECOL 100 (B), 335 (B), 360 (B), 455 (B), 460 (r, B), 550 (B) HORT 120 (B), 232 (B), 233 (B), 263 (B), 320 (B), 345 MICROBIO 101 (B), 102 (B), 303 (B), 304 (B) NUTR SCI 132 (B), 311 (B), 332 (B), 350 (B), 510 (B), 540 (B) PL PATH any course above 300 not already taken for another category SOIL SCI 132 (P), 230 (P), 301 (P), 322 (P), 324 (P), 325 (P), 326 (P), 336</p> <p><u>Business</u> (6 cr.) _____ 6 credits from the following list: ACCT I S 100, 211, 300 (r), 301, 302, 329, A A E 215 (S), 320, 322 (S), 323 (S), 419, 421 (S), 474 (S), ECON 101 (r, S), 102 (S), L SC COM 270, M H R 300 (S), 305 (S)</p>

Plant Pathology Major
Plant Health and Industry Track

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	MATH 112, 113, 114, Stats or Comp Sci CHEM 103 or 109 FIRST-YEAR SEMINAR Gen-Ed ¹	2-5 4-5 1 0-11 12-18			MATH 113, 114, Stats or Comp Sci CHEM 104 Plant Health or Econ/Acct/Mgmt Gen-Ed ¹	2-5 5 0-11 0-8 12-18		
Year 2	ZOOLOGY 151 or 101/102 PHYSICS 103, 201 or 207 Plant Health or Econ/Acct/Mgmt Gen-Ed ¹	5 4-5 0-9 0-8 12-18			ZOOLOGY 152 or BOTANY 130 PL PATH 332 Plant Health or Econ/Acct/Mgmt Gen-Ed ¹	5 4 0-9 0-8 12-18		
Year 3	PL PATH 300 Plant Health or Econ/Acct/Mgmt Gen-Ed ¹	4 0-14 0-14 12-18			GENETICS 466 ² PL PATH >300 Plant Health or Econ/Acct/Mgmt PL PATH 558 ³ Gen-Ed ¹	3 0-4 0-15 3 0-15 12-18		
Summer 3 or 4 – PL PATH 559³ = 3 credits								
Year 4	Plant Health or Econ/Acct/Mgmt PL PATH >300 Gen-Ed ¹	0-18 0-4 0-18 12-18			Capstone Experience Plant Health or Econ/Acct/Mgmt Gen-Ed ¹	3 0-15 0-15 12-18		

Notes:

¹ Gen-Ed requirements include communications, ethnic studies, humanities, social science, or international studies. See Page 1 of the Curriculum Sheet for more details.

² Or GENETICS 160, offered in Fall

³ Students can take either PL PATH 558 in the odd spring or PL PATH 559 in the odd summer

Possible places where students may cut down on courses: COMM-A placement test, COMM-B taken as ZOOLOGY 152, QR-A placement test, AP/IB credits (biology, social sciences, humanities, language, chemistry, physics, math, statistics)

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Plant-Microbe Biology Track **SAMPLE Four-Year Plan**

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	Fall Semester Sample Courses	Credits	Fall Semester Actual Courses	Credits	Spring Semester Sample Courses	Credits	Spring Semester Actual Courses	Credits
Year 1	MATH 112, 113 or 114 CHEM 103 or 109 FIRST-YEAR SEMINAR Gen-Ed ¹	2-5 4-5 1 0-11 12-18			MATH 113, 114 or 221 CHEM 104 PHYSICS 103, 201 or 207 Gen-Ed ¹	2-5 5 4-5 0-7 12-18		
Year 2	MATH 221 CHEM 343 ZOOLOGY 151 or 101/102 Gen-Ed ¹	5 3 5 0-5 13-18			CHEM 344 and 345 PHYSICS 104, 202 or 208 ZOOLOGY 152 or BOTANY 130 Gen-Ed ¹	5 4-5 5 0-3 14-18		
Year 3	PL PATH 300 MICROBIO 303 and 304 MATH 222 or STAT 301 (or equiv.) Gen-Ed ¹	4 5 3-5 0-6 12-18			BOTANY 500 PL PATH 332 GENETICS 466 Core or Breadth electives Gen-Ed ¹	4 4 3 2-4 0-4 13-18		
Year 4	Core or Breadth electives Gen-Ed ¹	0-8 4-12 12-18			Capstone Experience Core or Breadth electives Gen-Ed ¹	3 0-8 0-15 12-18		

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