**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

### 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](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/](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.

**Advisor/Advisee Notes:**

This version was last updated on: 1/2/2014
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
### Plant-Microbe Biology Track

**Additional Mathematics and Statistics (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

**Additional Chemistry (8 cr.)**
Satisfy one option below:
- CHEM 343 (P) and 344 (P) and 345 (P)
- CHEM 341 (P) and 342 (P)

**Biology (8 cr.)**
Satisfy one option below:

**Option 1:**
- MICROBIO 303 (B) and 304 (B)
- GENETICS 466 (B)

**Option 2:**
- 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)

**Additional Physics (4-5 cr.)**
- PHYSICS 104 (P) or PHYSICS 202 (P) or PHYSICS 208 (P)

**Plant Physiology (3-4 cr.)**
- BOTANY 500 (r, B)

**Plant-Microbe Electives (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

### Plant Health and Industry Track

**Biology (3 cr.)**
- GENETICS 160 (B) or 466 (B)

**Core (3 cr.)**
- PL PATH 558 (B) or 559

**Plant Health and Industry Electives (24 cr.)**
- 24 credits taken from at least two different departments of the courses listed below:
  - 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

**Business (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)
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.

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<th>Year 1</th>
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**Summer 3 or 4** − PL PATH 559³ = 3 credits

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**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)
## Plant Pathology Major
### Bachelor of Science Degree
#### Plant-Microbe Biology Track

**Sample Four-Year Plan**

Last Updated: June 2011

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