

Student Progress Report
College of Agriculture
B.S. Major: Microbiology
Catalog 053, Academic Year 2005-2006

SECTION 1 – Academic Requirements

----- University Requirements -----

Before your final semester you will need to declare a graduation date in writing with the Office of the Registrar.

----- Upper Division Hours Requirement -----

Complete a total of 48 hours in courses at the 3000+ level.

----- Residency Requirement -----

Of the total 48 (3000+) hours required, 30 of those must be from UW.

----- Univ. Studies 2003: P Requirement -----

Complete: PEAC 1001.

----- Univ. Studies 2003: Intellectual Comm. -----

1. Complete one course from the Intellectual Community (I) list.
-OR-
2. Transfer in at least 16 hours from another institution.

----- Univ. Studies 2003: Information Literacy -----

1. Complete one course from the Information Literacy (L) list.

----- Univ. Studies 2003: Writing -----

Complete the following requirements:

1. Writing A: Complete one course from the (WA) list, with a grade of C or better.
2. Writing B: Complete one course from the WB list.
3. Writing C (Upper-Division Writing): Complete one course from the WC) list.

----- Univ. Studies 2003: Math/Quantitative -----

Complete the following requirements:

1. Quantitative Reasoning A (QA). Complete one course from the QA list, pass Math Placement exam at QB, or pass Math 2200 with a grade of C.
2. Quantitative Reasoning B (QB). Complete one course from the QB list.

----- Univ. Studies 2003: Science -----

1. Complete 1 course from the Integrated Science (SI) list.
-OR-
2. Complete 6 hours from the following:
(ONE OF THE COURSES TAKEN MUST HAVE A LAB COMPONENT)
 - A. Natural Sciences: SB (Biological) list.
 - B. Natural Sciences: SP (Physical) list.
 - C. Natural Sciences: SE (Earth) list.

----- **Univ. Studies 2003: Cultural Context** -----

Complete 3 of the following areas:

1. ----- **Humanities (CH)** -----
Complete one course from the (CH) list.
2. ----- **Social Science (CS)** -----
Complete one course from the (CS) list.
3. ----- **Arts (CA)** -----
Complete one course from the (CA) list.

4. ----- **Integrated Cultural Context** -----

A course from the Integrated Cultural Context list below may be substituted for one of the above categories:
CLAS 2020; CHST 2001; WMST 2001.

----- **Univ. Studies 2003: Global Awareness** -----

1. Complete one course from the Global Awareness (G) list.

----- **Univ. Studies 2003: Diversity** -----

1. Complete one course from the Diversity (D) list.

----- **Univ. Studies 2003: Oral Communication** -----

1. Complete one course from the Oral Communication (O) list.

----- **Univ. Studies 2003: US & WY Constitution** -----

Complete one of the following options:

1. Select one course from: POLS 1000; ECON 1200; HIST 1211, 1221, 1251.
2. Complete: HIST 1210, HIST 1250.
3. One hour exam in Wyo Gov't when the equivalent of POLS 1000 or US History is taken at an institution other than UW.

----- **Assessment Requirement** -----

Prior to Graduation all students are required to participate in assessment testing. You will be contacted for scheduling.

----- **Agriculture Hours Requirement** -----

Complete a minimum of 128 hours for this degree.

- - - - Microbiology: Major Requirements - - - -

----- **MICR: Core Course Requirements** -----

1. Complete one of the following: MOLB 2210, 2240; MICR 2240.
2. Complete one of the following: MICR 3000; BIOL 3000.
3. Complete: BIOL 3050.
4. Complete two hours of microbiology-related seminars in separate semesters.

- - - - - **Microbiology: Math Requirement** -----

Complete the following:

1. Complete one of the following:
 - A. Complete: MATH 1450.
 - B. Complete: MATH 1400, 1405.
 - C. Complete: MATH 2200.
2. Complete one of the following: STAT 2050, 2070.

----- **Microbiology: Science Requirement** -----

Complete the following:

1. Complete: BIOL 1010, 2020.
2. Complete the following:
 - A. Complete: CHEM 1020, 1030.
 - B. Complete one of the following:
 1. Complete: CHEM 2300.
 2. Complete: CHEM 2420, 2440.
 - C. Complete one of the following:
 1. Complete: PHYS 1050.
 2. Complete: PHYS 1110, 1120.
 - D. Complete one of the following:
 1. Complete: MOLB 3610.
 2. Complete: MOLB 4600, 4610.

----- **Microbiology Options** -----

Complete one of the following options:

1. ----- **Medical Microbiology Option** -----
 - A. Complete one of the following: MOLB 4400; PATB 4400.
 - B. Complete one of the following: PATB 4360, 4500.
 - C. Complete: PATB 4200
 - D. Complete: PATB 4710
 - E. Complete 6 hours from the following: PATB 4110, 4120; PHCY 4450; MTCH 3010; MOLB 3990, 4100; BOT 4350; ZOO 4110.
2. ----- **Microbial Physiol & Mol Genetics Option** -----
 - A. Complete: MOLB 4170, 4250, 4440, 4460, 4600, 4610; BIOL 4600.
 - B. Complete 6 hours from the following: MOLB 4120, 4130, 4140, 4150, 4230, 5660, 4400, 4510, 5620, 5670; PATB 4400.
3. ----- **Micr Diversity, Evol and Ecology Option** -----

Complete the following:

 - A. Complete: BOT 4300; MOLB 4170, 4230, 4440; BIOL 4400; ZOO 4360.
 - B. Complete one of the following: MOLB 4460; BOT 5390.
 - C. Complete 6 hours from the following: SOIL 4140; ZOO 4440, 4430, 4540, 4550; BIOL 2400; BOT 3300; MOLB 4110, 4510; PATB 4710.
4. ----- **Applied Microbiology Option** -----

Complete one of the following subspecialities:

 - A. ----- **Soil Microbiology/Plant Pathology** -----
 1. Complete: AECL 2010, 2020, 3030; SOIL 4140; PLPA 3220; BIOL 4400.
 2. Complete 8 hours from the following: BOT 4300; ZOO 4540; PLPA 4000, 5200, 5220.

B. ----- Food Microbiology Subspecialty -----

1. Complete: FDSC 1410, 4090, 4100, 4900, 5040.

2. Complete 6 hours from the following:

MOLB 2220, 2240, 4440, 4460; MICR 2240.

----- Additional Microbiology Electives -----

Complete 6 hours in microbiology electives outside your chosen specialty.