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.

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:

--- 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.

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.
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:
2. Complete the following:
   A. Complete: CHEM 1020, 1030.
   B. Complete one of the following:
      2. Complete: CHEM 2420, 2440.
   C. Complete one of the following:
      2. Complete: PHYS 1110, 1120.
   D. Complete one of the following:
      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
   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 - - - - - - - - - -
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.