University of Wyoming, College of Arts & Sciences
Requirements Checklist – Botany
For students matriculating fall 2003 and after.

Student: ______________________  Advisor: ______________________  Initial Date of Program: ________

University Studies Program:
(P) Physical Activity & Health 1 course, 1 credit
(I) Intellectual Community 1 course, 1-3 credits
(V) U.S. & Wyoming Constitutions 1 course, 3 credits
(WA) Writing 1 1 course, 3 credits
(QA) Quantitative Reasoning 1 1 course, 3 credits
(QB) Quantitative Reasoning 2 1 course, 3 credits
(O) Oral Communication 1 course, 3 credits

Sciences – SB Biological; SE Earth; SP Physical; S Integrated Science
1 course, 4 credits completed in the major 1 course, 4 credits

Cultural Context – 9 hours total C, CH, CS, CA; at least 3 courses from 3 of 4 different categories
Arts (CA) 1 course, 3 credits
Humanities (CH) 1 course, 3 credits
Social science (CS) 1 course, 3 credits
Integrated Cultural Context (C) 1 course, 3 credits

Additional USP Requirements:
These may be a part (embedded) of courses in the above USP categories or courses in the major.
(WB) Writing 2
(WC) Writing 3
(L) Information Literacy
(D) U.S. Diversity
(G) Global Awareness

A&S Core:
Foreign Language: For students at the introductory level of a language, 2 courses (8 credits total) in the same language (with a minimum grade of C in the second semester) are required.
1 course, 4 credits completed in the major 1 course, 4 credits

Non-Western (NW): Approved courses may simultaneously fulfill other requirements in University Studies program, the A&S Core, or courses in the major, minor, or second major. Approved courses are listed on the A&S Website.
1 course, 3 credits

Upper Division Courses: 9 credits (3 courses) of Upper Division courses (3XXX-level or above) outside the department/program in which the student's major resides and none that are cross-listed with courses in the department of the major. This cross-listing rule does not apply to majors in the A&S interdisciplinary programs (American Indian studies, American Studies, Earth System Science, Environment and Natural Resources, Microbiology, International Studies, and Women's Studies). These courses cannot be used to also fulfill the USP components of P, I, QA, QB, O, V, WA, S, SB, SE, SP, C, CA, CS, or CH. These courses may also be used in a minor or a second major.
1 course, 3 credits
1 course, 3 credits
1 course, 3 credits

University Upper Division Requirement:
48 credits (3XXX-level or above): 30 of which must be earned from the University of Wyoming.

______________________________  ______________________________  ______________________________
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______________________________  ______________________________  ______________________________

The following courses are for the major requirements and are offered in no particular order. Please consult with your advisor for scheduling sequence. (**Courses offered in alternating years (S) – Spring Only (F) – Fall Only)

<table>
<thead>
<tr>
<th>COURSE</th>
<th>USP</th>
<th>CREDITS</th>
<th>PREREQUISITES</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ LIFE 3050 Genetics</td>
<td></td>
<td>4.0</td>
<td>LIFE 1010 &amp; one of LIFE 2022, 2023, or MICR/MOLB 2021 with C in each</td>
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<tr>
<td>□ LIFE 3400 General Ecology</td>
<td></td>
<td>3.0</td>
<td>LIFE 1010 &amp; one of LIFE 2022, 2023, or MICR/MOLB 2021 with C in each</td>
</tr>
<tr>
<td>□ LIFE 3410 Introduction to Field Ecology (F)</td>
<td></td>
<td>2.0</td>
<td>LIFE 3400 Concur or Consent</td>
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<tr>
<td>□ LIFE 3600 Cell Biology (F)</td>
<td></td>
<td>3.0</td>
<td>LIFE 1010 &amp; one of LIFE 2022, 2023, or MICR/MOLB 2021 with C in each</td>
</tr>
<tr>
<td>□ BOT 3000 Plant Form &amp; Function I (S)</td>
<td></td>
<td>4.0</td>
<td>LIFE 2022 or 2023 or equivalent; min 4 hrs college chemistry</td>
</tr>
<tr>
<td>□ BOT 3600 Plant Diversity &amp; Systematics (F)</td>
<td></td>
<td>4.0</td>
<td>LIFE 2023</td>
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<tr>
<td>□ BOT 4640 Flora of the Rocky Mountains (summer)</td>
<td></td>
<td>3.0</td>
<td>LIFE 2023</td>
</tr>
<tr>
<td>□ or BOT 4680 Taxonomy of Vascular Plants (S)</td>
<td></td>
<td>4.0</td>
<td>LIFE 2023</td>
</tr>
<tr>
<td>□ BOT 4700 Vegetation Ecology (F)</td>
<td></td>
<td>4.0</td>
<td>LIFE 3400</td>
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<tr>
<td>□ BOT 4730 Plant Physiological Ecology (S)</td>
<td></td>
<td>4.0</td>
<td>One course in physiology and one course in ecology</td>
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<tr>
<td>□ CHEM 2300 Intro Organic Chemistry (S)</td>
<td></td>
<td>4.0</td>
<td>1000, 1020, 1050</td>
</tr>
<tr>
<td>□ or CHEM 2320</td>
<td></td>
<td></td>
<td>C in MATH 1405 or 1450 or Level 5 Math Placement or Math ACT 27 or SAT 600</td>
</tr>
<tr>
<td>□ MATH 2200 Calculus I</td>
<td>QB</td>
<td>4.0</td>
<td>C in MATH 1000, 1400 or equivalent</td>
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<tr>
<td>□ or STAT 2050 Fundamental of Statistics</td>
<td>QB</td>
<td>4.0</td>
<td>1110</td>
</tr>
<tr>
<td>□ PHYS 1120 General Physics II (S)</td>
<td>SP</td>
<td>4.0</td>
<td>PHYS 1310, MATH 2200, 2205, &amp; MATH 2210 Concur</td>
</tr>
<tr>
<td>□ or PHYS 1320 College Physics II (S)</td>
<td>SP</td>
<td>4.0</td>
<td></td>
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One course in Computer Science, Statistics, or Mathematics (beyond MATH 2200):
□ Course: ____________________________ _______ ______ _____________

One additional 3 hour laboratory course (or courses totaling 3 hours) in Chemistry, Physics, or Molecular Biology
□ Course: ____________________________ _______ ______ _____________