1. UNIVERSITY GENERAL EDUCATION REQUIREMENTS
   - WRITING (C-): WRTG 2010 (3)
   - QA: (included w calc)
   - AM INST (D- or cr): ECON 1740 (3) or HIST 1700 (3) or POLSC 1100 (3) (circle course completed)
   - Fine Arts (F/FF/F, 2 reqd (D- or cr)                    (____)                      (____)
   - Humanities (F/FF/F, 2 reqd; D- or cr)                        (____)                      (____)
   - Soc/Behav (F/FF/F, 2 reqd; D- or cr)                         (____)                      (____)

2. UNIVERSITY BACHELOR OF SCIENCE/ARTS REQUIREMENTS:
   - CW(C- or cr): WRT 3015 (3)
   - B.A. (C- or cr): 4 sem. of language
   - Ethn 25XX (DV) (___) -or-
   - IR (C- or cr) (___) B.S. (C-): QI (___) + QI (___)
   - UPPER DIVISION CREDITS (40 cr. min. of 3000-, 4000-, and 5000-level courses)

3. SCIENCE CORE (complete 9 courses; min C-, no cr/nc) (30 cr):
   - MATH 1170 or 1210 (4) CHEM 1210 (4) CHEM 2310 (4)
   - MATH 1180 or 1220 or 3070 (4) CHEM 1215 (1) Students wishing to earn a chemistry endorsement are encouraged to complete a chemistry minor.
   - PHYS 2010 or 2110 or 2210 (4) CHEM 1220 (4)
   - PHYS 2020 or 2120 or 2220 (4) CHEM 1225 (1)

4. BIOLOGY COURSE REQUIREMENTS (min C-, no cr/nc)
   - Recommended: BIOL 1210 (4) Principles of Biology (waived with AP Biology score of 4 or 5) (ALL)

5. BIOLOGY CORE (complete all four courses) (12 cr):
   - BIOL 2010 (3) Evolution and Diversity (S only)
   - BIOL 2020 (3) Principles of Cell Biology (F/S)
   - BIOL 2030 (3) Principles of Genetics (F/S)
   - BIOL 3510 (3) Biological Chemistry I (ALL)

6. ECOLOGY AND ENVIRONMENTAL BIOLOGY (complete one course) (3 cr; all available each spring):
   - BIOL 3410 Ecol & Evol -or- BIOL 3440 Global Change Ecology -or- BIOL 3460 Global Env Issues (IR)

7. ORGANISMAL FORM AND FUNCTION COURSES (complete one course) (3 cr):
   - BIOL 3310 (3) Com.Vert. Morph (F)
   - BIOL 3320 (3) Comp. Physiology (F)
   - BIOL 3330 (3) Behav. Neurobiol (F)
   - BIOL 3380 (3) Evol & Physiol Basis of Hlth (F)

8. COMPLETE ONE LAB FROM EACH GROUP (complete two courses) (3-6 cr):
   - Cell & Molecular Biology labs (1 reqd)
     - BIOL 2115 (2)[L2] Basic Tech Lab (F/S)
     - BIOL 3125 (3) [L2] Mol Evol Lab* (S odd)
     - BIOL 3215 (2) [L1] Cell Biol lab (F)
     - BIOL 3235 (2) [L1] Develop Lab (F)
     - BIOL 3246 (2) [L1] Cell Neuro Lab (F)
     - BIOL 3515 (2) [L1] Biol Chem Lab (F)
     - BIOL 3525 (3)[L2] MBiol DNA Lab (F)
     - BIOL 4955 (2-3)[L2] Indiv Research* (ALL)
   - Environmental & Organismal labs (1 reqd)
     - BIOL 2015 (2) [L1] Evol & Div Lab (S)
     - BIOL 2355 (2) [L1] Field Botany (Su)
     - BIOL 2425 (1) [L1] Human Phys Lab (Su/F)
     - BIOL 3125 (3) [L2] Mol Evol Lab* (S odd)
     - BIOL 3235 (3) [L2] Comp Phys Lab (S)
     - BIOL 4955 (2-3)[L2] Indiv Research* (ALL)

9. Complete 12-15 cr of APPROVED BIOLOGY ELECTIVES to total 36 cr of BIOLOGY. Biology electives must include ONE LAB, and 6 CR of UPPER DIVISION COURSES. One course must be at the 5000-LEVEL.
   - BIOL ________ (___) ________ (___) ________ (___)
   - BIOL ________ (___) ________ (___) ________ (___)
   - 21 of 36 Biol credits and 2 Biol labs must be from U of U Biology Dept
   - Note: UT licensing requires either BIOL 2325 Human Anatomy -or- BIOL 2420 Human Physiology

5. Complete APPROVED SCIENCE/earth SCI ELECTIVES to meet reqmt for 69 credits (if needed; C-, no cr/nc.)
   - (___) (___) (___) (___) Students are encouraged to explore a broad range of sciences.

6. EDUCATION RQMT (min C-; no cr/nc) (3 cr)
   - EDU 5375 -or- EDU 5170

7. ADDT’L RQMTS to apply to EDU cohort (not req’d for BS/BA):
   - EDU 1010 (3)
1. Complete requirements for a TEACHING MAJOR in another department
   A teaching minor can only be awarded in conjunction with a teaching major in another department.

2. COMPLETE THREE CHEMISTRY COURSES (3 reqd; 9 cr):
   ○ CHEM 1210 (4) General Chemistry I
   ○ CHEM 1215 (1) General Chemistry I Lab
   ○ CHEM 1220 (4) General Chemistry II

3. COMPLETE THREE CORE BIOLOGY COURSES (3 reqd; 9 cr):
   ○ BIOL 2010 (3) Evolution and Diversity of Life
   ○ BIOL 2020 (3) Principles of Cell Biology
   ○ BIOL 2030 (3) Principles of Genetics

4. COMPLETE ONE COURSE IN ECOLOGY AND ENVIRONMENTAL BIOLOGY.
   Complete one of the following courses (3 cr):
   ○ BIOL 3410 Ecol & Evol (S) - or -  BIOL 3440 Globl Change Ecol (F) - or - BIOL 3460 Globl Env Iss (IR) (F)

5. COMPLETE ONE ORGANISMAL FORM AND FUNCTION COURSE
   Complete one of the following courses (3 cr):
   ○ BIOL 3310 (3) Com.Vert. Morph (F)
   ○ BIOL 3320 (3) Comp. Physiology (F)
   ○ BIOL 3330 (3) Behav. Neurobiol (F)
   ○ BIOL 3380 (3) Evol & Physiol Basis of Hlth (F)

6. COMPLETE ONE LAB FROM EACH GROUP (complete two courses) (3-6 cr):

<table>
<thead>
<tr>
<th>Cell &amp; Molecular Biology labs (1 reqd)</th>
<th>Environmental &amp; Organismal labs (1 reqd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2115 (2)[L2] Basic Tech Lab (F/S)</td>
<td>BIOL 2015 (2) [L1] Evol &amp; Div Lab (S)</td>
</tr>
<tr>
<td>BIOL 3125 (3) [L2] Mol Evol Lab* (S odd)</td>
<td>BIOL 2325 (4) [L1] Human anatomy (ALL)</td>
</tr>
<tr>
<td>BIOL 3215 (2)[L1] Cell Biol lab (F)</td>
<td>BIOL 2355 (2) [L1] Field Botany (Su)</td>
</tr>
<tr>
<td>BIOL 3235 (2)[L1] Develop Lab (F)</td>
<td>BIOL 3125 (3) [L2] Mol Evol Lab* (S odd)</td>
</tr>
<tr>
<td>BIOL 3246 (2)[L1] Cell Neuro Lab</td>
<td>BIOL 4955 (2-3)[L2] Indiv Research* (ALL)</td>
</tr>
<tr>
<td>BIOL 3515 (2)[L1] Biol Chem Lab (S)</td>
<td></td>
</tr>
<tr>
<td>BIOL 3525 (3)[L2] MBiol DNA Lab (F)</td>
<td></td>
</tr>
<tr>
<td>BIOL 4955 (2-3)[L2] Indiv Research* (ALL)</td>
<td></td>
</tr>
</tbody>
</table>

   *Can only be counted towards one lab.

7. COMPLETE ONE APPROVED UPPER DIVISION (3000+) BIOLOGY ELECTIVE (2-4 cr).
   ○ BIOL __________
   Students are encouraged to take a 5000-level elective.
   ○ Note: UT licensing requires either BIOL 2325 Human Anatomy - or - BIOL 2420 Human Physiology

8. EDUCATION RQMT (min C-; no cr/nc) (3 cr)  EDU 5375  - or -  EDU 5170

30-35 CR (18-23 cr Biology)

10 CR Biology including 5 CR upper division and 1 lab must be completed in the Biology Department at the University of Utah.

Candidates for the Biology Teaching minor must maintain a 2.0 GPA in Biology and a C- or better in all required courses.

Candidates for licensure are expected to maintain a 3.0 GPA overall and earn a “C” in all courses required for licensing.