1. UNIVERSITY GENERAL EDUCATION REQUIREMENTS
   ____ WRITING (C-): WRTG 2010 (3)    QA: (included w calc)    QB: (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/FI, 2 reqd (D- or cr) ______________________ (___) ______________________ (___)
   Humanities (F/FF/FI, 2 reqd; D- or cr) ______________________ (___) ______________________ (___)
   Soc/Behav (F/FF/FI, 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
   ____ Ethnc 25XX (DV)________________ (_ _)
   ____ 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)
   ____ 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)

   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)

   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)

   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)

   COMPLETE ONE LAB FROM EACH GROUP (complete two courses) (3-6 cr):
   Cell & Molecular Biology labs (1 reqd)    Environmental & Organismal labs (1 reqd)
   ____ BIOL 2115 (2)[L2] Basic Tech Lab (F/S)  ____ BIOL 2015 (2) [L1] Evol & Div Lab (S)
   ____ BIOL 3125 (3) [L2] Mol Evol Lab* (S odd)  ____ BIOL 2355 (2) [L1] Field Botany (Su)
   ____ BIOL 3215 (2)[L1] Cell Biol lab (F)  ____ BIOL 2425 (1) [L1] Human Phys Lab (Su/F)
   ____ BIOL 3235 (2)[L1] Develop Lab (F)  ____ BIOL 3125 (3) [L2] Mol Evol Lab* (S odd)
   ____ BIOL 3246 (2)[L1] Cell Neuro Lab  ____ BIOL 3325 (3) [L2] Comp Phys Lab (S)
   ____ BIOL 3515 (2)[L1] Biol Chem Lab (S)  ____ BIOL 4955 (2-3)[L2] Indiv Research* (ALL)
   ____ BIOL 3525 (3)[L2] MBiol DNA Lab (F)  ____ BIOL 4955 (2-3)[L2] Indiv Research* (ALL)
   ____ BIOL 4955 (2-3)[L2] Indiv Research* (ALL)
   *Can only be counted towards one lab.

   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 ______________________ (___)
   ____ BIOL ______________________ (___)  ____ BIOL ______________________ (___)
   ____ 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>
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   | ____ BIOL 3515 (2)[L1] Biol Chem Lab (S) |                             |
   | ____ BIOL 3525 (3)[L2] MBiol DNA Lab (F) |                             |
   | ____ BIOL 4955 (2-3)[L2] Indiv Research* (ALL) |                             |

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.