Prerequisites are shown in *italics.*

**CREDIT EVALUATION**
The University of Montana Western
2012-2013 Catalog

**BACHELOR OF SCIENCE:**
BIOLOGY & SECONDARY EDUCATION

<table>
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<tr>
<th>Institution #1</th>
<th>Abbreviation</th>
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<td>Institution #2</td>
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<td>Institution #3</td>
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**GENERAL EDUCATION CORE REQUIREMENTS** ............................. 31-32 credits

- BIOB 160 Prin/Living Systems 4 [Accept __________]
  *M 095 or higher*
- CHMY 141 College Chem I 4 [Accept __________]
  *M 095 or higher, HS chemistry or CHMY 121 recommended*
- PHL 241 Hist/Phil/Science 4 [Accept __________]
- STAT 121 Probability 4 [Accept __________]

*M 095 or ACT/SAT Math proficiency*

**BIOLOGY MAJOR** ............................................................................................ 52 credits

- BIOB 170 Prin/Biol Diversity 4 [Accept __________]
  *M 095 or higher, or c/l, BIOB 160 recommended*
- BIOB 260 Cell/Molec Biol 4 [Accept __________]
  *BIOB 160*
- BIOB 375 Gen Genetics 4 [Accept __________]
  *BIOB 260, STAT 121*
- BIOB 420 Evolution 4 [Accept __________]
  *BIOB 375 or c/i*
- BIOE 370 Gen Ecology 4 [Accept __________]
  *BIOB 170, STAT 121, and STAT 217 or STAT 233*
- BIOO 220 Gen Botony 4 [Accept __________]
  *BIOB 160*
- CHMY 143 College Chem II 4 [Accept __________]
  *CHMY 141*
- CHMY 321 Organic Chem I 4 [Accept __________]
  *CHMY 143*
- CHMY 323 Organic Chem II 4 [Accept __________]
  *CHMY 143, 321*
- M 171 Calculus 4 [Accept __________]
  *M 112 or HS Trigonometry*
- PHSX 220 Physics I 4 [Accept __________]
  *M 171*
- PHSX 222 Physics II 4 [Accept __________]
  *M 171*

Select 1 from the following:

- STAT 217 Int Statistcl Cnpts 4 [Accept __________]
- STAT 233 Biostatistics 4 [Accept __________]

(Secondary Education majors do not take BIOB or HHP 400/ACT 498, or BIOB 494P)
PROFESSIONAL EDUCATION CORE ............................................... 32 credits
(Courses below substitute for the Biology Option Area and the Biology Internship)

- EDU 201 Intro to Ed w/Field Experience 4 Accept
- EDU 222 Ed Psych/Child Development 4 Accept
- EDU 311 Cult Divers Ethics/Global Ed Accept
  Admission to TEP
- EDU 382 Assess/Curr/Instruction 4 Accept
  EDU 201, EDU 222
- EDU 391D Foundations Ed Tech/Sec Ed 2 Accept
- EDU 481 Content Area Literacy 2 Accept
  Admission to TEP or verification that student is a certified teacher
- EDU 491D Ed Mgmt/Disc/Sec Ed Mjrs 4 Accept
  Admission to TEP, taken is semester prior to student teaching
- EDU 497S Meth: 5-12 Science 4 Accept

Select 1 of the following:
- HTH 220 Human Sexuality 4 Accept
- HEE 340 Methods of Health Education 4 Accept

ELECTIVE CREDITS ..................................................................... 0-1 credits

Additional courses recommended for Secondary Education

<table>
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<tr>
<th>Grade/Credits</th>
<th>Course #</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIO 260</td>
<td>BIOM 260 Gen Microbiol 4</td>
<td>Accept</td>
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<tr>
<td>BIO 365</td>
<td>BIOH 365 Hum Anat//Phys I/Hlth Prof 4</td>
<td>Accept</td>
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<tr>
<td>BIO 365</td>
<td>BIOH 370 Hum Anat//Phys II/Hlth Prof 4</td>
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A recent certificate of first aid & safety (including child & adult CPR and AED, & infant CPR) is required of all education majors prior to student teaching. HHP 231 is recommended to fulfill this requirement.

STUDENT TEACHING .................................................................. 12 credits

- EDU 306 Schl Law/Advoc/All K-12 Lrnrs 4 Accept
  EDU 382 and Admission to TEP, May be taken prior to Student Teaching
- EDU 495S Student Teaching: 5-12 8 Accept
  Admission to Student Teaching and c/dfe

Students in an internship program (e.g., Class 5 teachers) will substitute 4 credits of EDU 498 Internship for each semester they are enrolled in an internship.
Prerequisites are shown in *italics*.

**Graduation requirements:**
- Completed all required General Education with a minimum 2.7 GPA and no grade lower than a C-
- No grade lower than a B- for Professional Education Core
  *(No Professional Education course may be repeated more than once)*
- Minimum 2.7 overall GPA
- Completed a minimum total of 128 credits
- Completed Application for Graduation

Deadlines for early audit for graduation (Prior to your last semester, an audit is done by the Registrar’s Office of credits completed to determine what you may still be missing.)
  - Graduate end of spring semester: May 1, previous year
  - Graduate end of summer semester: May 1, previous year
  - Graduate end of fall semester: September 15, previous spring semester

Deadlines for graduation applications
  - Graduate end of spring semester: January 1
  - Graduate end of summer semester: May 1
  - Graduate end of fall semester: September 1