

# BIOMEDICAL SCIENCES OPTION

## BACHELOR OF SCIENCE IN BIOLOGY – LIBERAL ARTS REQUIREMENTS CHECKLIST - 2007-2008 Catalog

### Required core courses (23 cr.)

- Biology 110 Freshman Colloquium, 1 cr.
- Biology 150 General Biology, 3 cr.
- Biology 230 General Zoology, 3 cr.
- Biology 240 Cell & Molecular Biology, 3 cr.
- Biology 341 Anatomy & Physiology I, 4 cr.
- Biology 342 Anatomy & Physiology II, 4 cr.
- Biology 350 Genetics and Evolution, 3 cr.
- Biology 410 Senior Colloquium, 1 cr.
- Biology 481 Seminar, 1 cr.

### Electives -- 11 cr., to bring total to 34 cr.

(Note: up to 5 elective credits may be taken from outside the Biology Department)

Choose from:

- Biology 243 Intro to Biol. Greek-Latin, 2 cr.
- Biology 295 Lab Research Experience, 2 cr.
- Biology 305 App. in Molecular Biology, 3 cr.
- Biology 307 Human Heredity, 2 cr.
- Biology 324 Microbiology, 4 cr.
- Biology 345 Immunology, 3 cr.
- Biology 353 Histology, 4 cr.
- Biology 379 Internship, 3-6 cr.
- Biology 451 Molecular Biology, 4 cr.
- Biology 453 Virology, 3 cr.
- Biology 463 Animal Cell Culture, 3 cr.
- Biology 495 Undergraduate Research, 3 cr.
- Biology 499 Independent Study, 1-3 cr.
- ANSC 231 Principles of Nutrition, 3 cr.
- ANSC 447 Endocrinology, 2 cr.
- ANSC 448 Reproductive Physiology, 3 cr.

### Required supporting courses (21 cr.):

- Chemistry 121\*,122
- Physics 151\*,156
- Math 147\*
- Math 216, 226, 326, or ANSC 341 (statistics)

\*NOTE: These Required Supporting Courses fill the General Education S, SL, and M requirements.

NOTE: GENERAL EDUCATION requirements are shown on reverse side

**MINOR DEPT:** \_\_\_\_\_ (21-24 cr)

Courses required in minor:

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### **LIBERAL ARTS** (8-12 cr)

Take 3 approved Liberal Arts courses (see [www.uwrf.edu/cas/](http://www.uwrf.edu/cas/) for list of courses). At least 2 courses must be at the 200 level or above. Testout credits are excluded.

Courses must be taken from at least two divisions. One course may be within the division of the major (Science/Math) but must be outside of the departments of the major and minor. University requirements (American Cultural Diversity and Global Perspectives) may double count in Liberal Arts. General Education, Major, and Minor courses MAY NOT double count in Liberal Arts.

Humanities/Fine Arts:

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Modern Languages:

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Social Sciences:

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Science/Math

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**GENERAL ELECTIVES** – additional credits to achieve a total of 120 credits. Up to 12 of these may be taken in Biology.

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**UW-RIVER FALLS**  
**GENERAL EDUCATION REQUIREMENTS CHECKLIST**  
(Includes courses approved as of 5/18/07)

**GOAL ONE - COMMUNICATION (9 cr)**

**CW - Reading and Writing (3 cr)**   
ENGL 100, 101

**CS - Speaking and Listening (3 cr)**   
CHIN 101, FREN 101, GERM 101, JAPN 101, SPAN 101,  
SCTA 101, 116

**CA - Advanced Communication (3 cr)**   
ENGL 200, 201

**GOAL TWO - HUMAN ENDEAVOR (12 cr)**

**SB - Social and Behavioral Sciences**  
**(2 courses, 3 cr. each)**    
ANTH 100, ECON 100, 150, GEOG 120, HIST 100,101,102,  
201, MNGT 250, POLS 114, 245, 260, PSYC 101, SOCI 100  
*NOTE: The two courses taken in the SB designator must have  
different prefixes, e.g. you cannot take HIST 101 and HIST 102.*

**HF - Humanities and Fine Arts**  
**(2 courses, 3 cr. each)**    
ART 100, DANC 100, ENGL 241, 243, MUS 100, PHIL 151,  
201, 221, 240, 323, PHIL/ART 310, SCTA 105, SCTA/FILM  
200  
*NOTE: The two courses taken in HF designator must have  
different prefixes, e.g. you cannot take PHIL 151 and PHIL  
201.*

**GOAL THREE - THE NATURAL WORLD**  
**(9 cr)\*\***

**M - Mathematics (3 cr)**   
MATH 126, 146, 147, 149, 156, 166, 216, 226, 246, PSYC 201

**S - Science (3 cr)**   
BIOL 101, CHEM 100, FDSC 110, GEOG 110, GEOL 101, PHYS  
114, 117, 151, 161

**SL - Scientific investigation (3 cr)**   
BIOL 100, 150, CHEM 101, 120, 121, GEOL 102\*, 202,  
PHYS 101\*, 156\*

\*must be taken with the corresponding lecture class

**GOAL FOUR - MULTIDISCIPLINARY**  
**INQUIRE (3 cr)**

**MD - Multidisciplinary Inquiry (3 cr)**   
AFES 492, ENGL/HIST/GEOG 385, FILM/HIST 402, HUM  
300, 311, 312, INTS 365, PHIL/ART 310, PHIL 323,  
PHYS/ECON 360

**GOAL FIVE - INDIVIDUAL RESPONSIBILITY**  
**(5 cr)**

**HW - Health and Wellness (2 cr)**   
P ED 108 (1 cr)  
PE activity courses,(2 courses, 0.5-1.0 cr. each)

**EC - Ethical Citizenship (3 cr)**   
CROP 120, ENGL 228, 374, ESM 105, FINC 210, GEOL 269,  
JOUR 101, MNGT 250, PHIL 201, 304, POLS 230, SOWK 150

**UNIVERSITY REQUIREMENTS**

**D - American Cultural Diversity (3 cr)**   
ANTH/SOCI 225, ECON 312, ENGL 203, 208, 212,  
ENGL/FILM 206, ENGL/WMST 235, 443, ETHN 200, GEOG  
237, HIST 206, 207, MNGT 330, POLS 212, PSYC 285,  
SCTA 230, SOCI 208, TED 252

**G - Global Perspectives (3 cr)**   
AGEC 250, ECON 340, ENGL/FILM/INTS 442, GEOG 344,  
HIST 201, 202, 203, INTS 365, MNGT 355, MODL 376, MUS  
300, PHIL 245, POLS 245, 260

(See [www.uwrf.edu/registrar/GeneralEducation.htm](http://www.uwrf.edu/registrar/GeneralEducation.htm) for names  
of courses and updates.)

**\*\*BIOLOGY MAJORS:** Note that the Goal Three  
requirements are met by major requirement  
including required supporting courses.