**CREDIT EVALUATION**
The University of Montana Western
2014-2015 Catalog

### MATHEMATICS OPTION AREA
**MATHEMATICAL ECOLOGY**

All Mathematics courses for a Math Major must be completed with a B- or better.

#### General Education Requirements
- BIOB 160 Principles of Living Systems 4 Accept
  - M 095 or appropriate ACT/SAT scores
- CHMY 141 College Chemistry 4 Accept
  - M 095 or appropriate ACT/SAT scores; high school chemistry or CHMY 121 recommended

#### Mathematical Ecology Core Requirements
- BIOB 170 Prin of Biological Diversity 4 Accept
  - M 095 or appropriate ACT/SAT scores, BIOB 160 recommended
- BIOB 260 Cell & Molecular Biology 4 Accept
  - BIOB 160
- BIOB 375 General Genetics 4 Accept
  - BIOB 260 and STAT 121
- BIOB 420 Evolution 4 Accept
  - Junior/Senior standing and BIOB 375
- BIOE 370 General Ecology 4 Accept
  - BIOB 170
- STAT 335 Advance Field Statistics 4 Accept
  - STAT 217 or STAT 233

Select 1 of the following:
- BIOE 222 Invasive Species 4 Accept
- BIOE 250 Conservation Biology 4 Accept
  - Any 100-level math, BIOB 101 or BIOB 170 highly recommended
- BIOE 425 Wetlands Ecology 4 Accept
  - CHMY 143 and either BIOB 160 or BIOB 170
- BIOM 427 General Parasitology 4 Accept
  - BIOB 260 and BIOE 370
- BIOO 262 Intro to Entomology 4 Accept
  - BIOB 170
- BIOO 435 Plant Systematics 4 Accept
  - BIOO 220
- BIOO 450 Vertebrate Zoology 4 Accept
  - BIOB 170
- BIOO 470 Ornithology 4 Accept
  - BIOB 170
- BIOO 475 Mammalogy 4 Accept
  - BIOB 170
- WILD 471 Wildlife Ecology & Mgmt 4 Accept
  - BIOB 170 and either STAT 217 or STAT 233
- WILD 473 Fisheries Ecology & Mgmt 4 Accept
  - BIOB 170 and either STAT 217 or STAT 233

**TOTAL CREDITS**

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