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| Name: Click or tap here to enter text.  University of Wisconsin Milwaukee  Minor in Biological Science  UWM ID:  Click or tap here to enter text.   |  | | --- | | **Requirements** | | At least 19 BioSci credits that carry credit toward the major including the following: | | * BioSci 150 and BioSci 152 * At least 1 gateway with laboratory component * At least 7 additional credits that carry credit toward the major * At least 9 credits in BioSci courses number 300 or greater taken in residence   At least 2.0 GPA in BioSci courses for minor |  |  |  |  |  | | --- | --- | --- | --- | | **FOUNDATIONS:** Required for all majors. Take sequentially. | | | | | ☐ BioSci 150 | ☐ BioSci 152 | |  | | **GATEWAY COURSES:** Choose at least one gateway option. Additional choices will count toward upper-level elective credits. | | | | | **1. Cell & Molecular Biology (CMB)** | | | | | BioSci 315 | | BioSci 316 | | | **2. Ecology, Evolution & Biology (EEB)**  BioSci 310  **3. Genetics**  BioSci 325  BioSci 316  **4. Microbiology:**  BioSci 383 | | | | | BioSci Faculty Advisor: Dr.  **PLANNING TABLE:**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | *Course Number* | *Course Name* | *Credits* | *Semester* | *Year* | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  |   **GENERAL EDUCATION REQUIREMENTS**  See L&S advisor for additional L&S/University requirements for  the degree pathway. |

**ELECTIVES:**

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**MAJOR IN BIOLOGICAL SCIENCES - COURSES BY SEMESTER**

**Fall Semester Courses**

**Course (cr) Course Name**

BioSci 150 (4) Found. of Biological Sci I

BioSci 152 (4) Found. of Biological Sci II

BioSci 202 (4) Anatomy & Physiology I

BioSci 203 (4) Anatomy & Physiology II

BioSci 310 (4) Ecology

BioSci 315 (3) Cell Biology

BioSci 316 (2) Lab in Genetics & Cell Bio

BioSci 325 (4) Genetics

BioSci 356 (3) Devl Bio

BioSci 370 (3) Mammalian Physiology

BioSci 383 (4) General Microbiology

BioSci 405 (3) General Virology

BioSci 451 (3) Field Methods in Conservation

BioSci 458 (3) Community Ecology

BioSci 465 (3) Biostatistics

BioSci 480 (3) Ecological Genetics

BioSci 490 (3) Molecular Genetics

BioSci 498 (3) Genetics of Development & Cancer

BioSci 501 (3) Aquatic & Plant Ecophysiology Lab

BioSci 502 (3) Intro Programing/Modeling In EEB

BioSci 505 (3) Conservation Biology

BioSci 512 (3) Limnology

BioSci 539 (4) Lab Techniques Mol Bio

BioSci 540 (3) Microbial Diversity

BioSci 542 (3) Biological Electron Microscopy

BioSci 543 (2) Scan Electron Microscopy Lab

BioSci 564 (3) Endocrinology

BioSci 565 (3) Gene Reg StemCells/Regeneration

BioSci 566 (3) Cell Bio of Human Disease

**Spring Semester Courses**

**Independent Study**

***Up to six credits can count towards the major***

BioSci 695 Ind Study Freshwater Science

BioSci 697 Ind Study in Cell & Molecular Biology

BioSci 698 Ind Study in Microbiology

BioSci 699 Ind Study

**Cross Listed Courses**

***Up to six credits can count towards the major***

Anthro 301 (3) Human Evolution & Variation

BMS 534 (3) Medical Micro

BMS 535 (2) Med Micro Lab

CES 471 (4) Pract. In Nat. Resource Man.

Chem 501 (3) Biochem

Psych 254 (3) Phys. Psych

Psych 654 (4) Adv. Phys. Psych

**Faculty Advisor’s Notes/Comments:** Click or tap here to enter text.

**Course (cr) Course Name**

BioSci 152 (4) Found. of Biological Sci II

BioSci 202 (4) Anatomy & Physiology I

BioSci 203 (4) Anatomy & Physiology II

BioSci 310 (4) Ecology

BioSci 315 (3) Cell Biology

BioSci 316 (2) Lab in Genetics & Cell Bio

BioSci 325 (4) Genetics

BioSci 335 (3) Mammalian Reproductive Biology

BioSci 358 (2) Birds of Wisconsin

BioSci 383 (4) General Microbiology

BioSci 401 (3) Immunology

BioSci 406 (3) Marine Biology

BioSci 440 (3) Ecol/Evolution of Amphib & Reptiles

BioSci 455 (3) Cell/Molecular/Dev Neurobiology

BioSci 465 (3) Biostatistics

BioSci 469 (2) Genomic Data Analysis

BioSci 475 (3) Tropical Ecology

BioSci 500 (3) Plant Physiology

BioSci 523 (3) Ecology & Evolution of Birds

BioSci 529 (3) Molecular Bio of Microorganisms

BioSci 532 (3) Behavioral Ecology

BioSci 535 (3) Bacterial Pathogenesis

BioSci 544 (3) Trans Electron Microscopy Lab

BioSci 562 (1-2) Topics in Field Biology

BioSci 575 (3) Evolutionary Biology

BioSci 580 (4) Experimental Microbiology