### Lower Division Biology Courses—All Required

- **BIOB 260**—Cell and Molecular Biology (4) - autumn, summer
- **BIOB 272**—Genetics and Evolution (4) - spring

### Medical Laboratory Science Major Courses—All Required

- **BCH 380**—Biochemistry (4) - autumn, spring
- **BIOB 410**—Immunology (3) - autumn
- **BIOH 365**—Human Anatomy & Physiology I for Health Professions (4) - autumn
- **BIOH 405**—Hematology (3) - autumn
- **BIOM 360/361**—General Microbiology/Lab (5) - autumn
- **BIOM 402/403**—Medical Bacteriology and Mycology/Lab (5) - spring
- **BIOM 427/428**—Parasitology/Lab (4) - autumn
- **BIOM 435**—Virology (3) - spring

### DBS Advanced College Writing Course—Recommended Courses

- **BCH 486**—Biochem Research Lab (3) - spring
- **BIOB 410/411**—Microbial Genetics/Lab (4) - spring
- **BIOM 410**—Immunology Lab (2) - autumn
- **BIOM 499**—Senior Thesis (3)
- **BIOM 425**—Adv Cell Biology (3) - spring

### Clinical Practicum at Affiliated Program—All Required (Must Apply Prior Autumn)

- **BIOH 470**—Summer Clinical Internship (12) - summer
- **BIOH 471**—Professional Training I (13) - autumn
- **BIOH 472**—Professional Training II (12) - spring

### Required Courses Outside of the Major (C- or Better)

#### Mathematics—All Required

- **M 162**—Applied Calculus (4) - autumn, spring
- **STAT 216**—Intro to Statistics (4) - autumn, spring, summer

#### Chemistry—All Required

- **CHMY 141N/142N**—College Chemistry I/Lab (5) - autumn, spring
- **CHMY 143N/144N**—College Chemistry II/Lab (5) - spring, summer
- **CHMY 221/222**—Organic Chemistry I/Lab (5) - autumn

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**In order to be certified by the Board of Registry, MLS students must be admitted to and complete a clinical practicum/internship of 12 consecutive months in a school endorsed by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) and American Society of Clinical Pathology (ASCP). A practicum at one of our affiliated programs is required for the 3+1 Bachelor's degree.**

For more information about the clinical laboratory profession: [http://hs.umt.edu/medtech/](http://hs.umt.edu/medtech/). Dr. Mike Minnick (mike.minnick@mso.umt.edu) is the MLS practicum advisor.

**MLS 3+1 track requires 130 credits. To be competitive for admittance into the required clinical practicum, MLS 3+1 students must be in good academic standing, with a GPA >3.0. Experience in a hospital/clinic laboratory is also highly recommended.**