

# HEALTH SCIENCES - MEDICAL LABORATORY CONCENTRATION, B.S. (MEDL)

In the Medical Laboratory concentration, students complete three years of coursework at MCLA and a clinical year at Berkshire Medical Technology program. Students who complete this concentration can become certified medical technologists.

## Berkshire Medical Center, Pittsfield

Lori Moore, M.Ed., MT (ASCP) Honorary Associate at MCLA and Program Director for the School of Medical Technology at Berkshire Medical Center;

Jessica Krochmal, MD, Director of Laboratories at Berkshire Medical Cent

| Code                     | Title                                                            | Hours     |
|--------------------------|------------------------------------------------------------------|-----------|
| BIOL 101                 | Entering Students Seminar                                        | 1         |
| BIOL 150                 | Introduction to Biology I: Cells                                 | 4         |
| BIOL 240                 | Genetics                                                         | 4         |
| BIOL 302                 | Applied Statistics in Biology                                    | 1         |
| BIOL 305                 | Immunology                                                       | 3         |
| BIOL 320                 | Microbiology                                                     | 4         |
| BIOL 342                 | Anatomy and Physiology I                                         | 4         |
| BIOL 343                 | Anatomy and Physiology II                                        | 4         |
| BIOL 491                 | BMC: Clinical Chemistry                                          | 8         |
| BIOL 492                 | BMC: Clinical Molecular Biology                                  | 1         |
| BIOL 493                 | BMC: Clinical Immunology                                         | 1         |
| BIOL 494                 | BMC: Clinical Hematology                                         | 8         |
| BIOL 495                 | BMC: Clinical Urinalysis and Body Fluids                         | 1         |
| BIOL 496                 | BMC: Clinical Microbiology                                       | 8         |
| BIOL 497                 | BMC: Clinical Immunohematology                                   | 5         |
| CHEM 150                 | Introduction to Chemistry I                                      | 4         |
| CHEM 152                 | Introduction to Chemistry II                                     | 4         |
| CHEM 201                 | Organic Chemistry I                                              | 4         |
| CHEM 202                 | Organic Chemistry II                                             | 4         |
| MATH 232<br>or MATH 232H | Introduction to Statistics<br>Honors: Introduction to Statistics | 3         |
| <b>Total Hours</b>       |                                                                  | <b>76</b> |