

| Bachelor of Science in Medical Laboratory Science (Monmouth Medical Center) | |
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| MAJOR REQUIREMENTS/MEDICAL TECHNOLOGY: 45 Credits | Credits |
| CE111: General Chemistry I | 3.0 |
| CE111L: General Chemistry I Lab | 1.0 |
| CE112: General Chemistry II | 3.0 |
| CE112L: General Chemistry II Lab | 1.0 |
| CE221: Quantitative Analysis | 3.0 |
| CE221L: Quantitative Analysis Lab | 2.0 |
| CE241: Organic Chemistry I | 3.0 |
| CE241L: Organic Chemistry I Lab | 2.0 |
| CE242: Organic Chemistry II | 3.0 |
| CE310: Biochemistry and Lab | 4.0 |
| BY110: Introduction to Cell and Molecular Biology | 4.0 |
| BY211: Physiology With Anatomy I | 4.0 |
| BY212: Physiology With Anatomy II | 4.0 |
| BY223: General Microbiology | 4.0 |
| BY324: Applied Microbiology | 4.0 |
| REQUIREMENTS OUTSIDE MAJOR: 6 Credits | Credits |
| MA115: Introduction to Math Modeling <i>(a)</i> | 3.0 |
| MA151: Statistics with Applications | 3.0 |
| PROFESSIONAL CREDITS: 32 Credits <i>(b, c)</i> | Credits |
| MT421: Clinical Chemistry <i>(d)</i> | 7.5 |
| MT422: Hematology | 5.0 |
| MT423: Coagulation | 1.5 |
| MT424: Urinalysis and Body Fluids | 1.5 |
| MT425: Immunology and Serology | 4.0 |
| MT426: Transfusion Service | 4.0 |
| MT427: Clinical Microbiology | 7.5 |
| MT428: Mgt. Principles in Medical Technology | 0.5 |
| MT429: Educational Methodologies in Medical Technology | 0.5 |
| FREE ELECTIVE: 6 Credits | Credits |
| _____ | 6.0 |
| <p><i>(a) May substitute MA116 or MA125, depending on placement.</i></p> <p><i>(b) Completion of 96 credits of collegiate work prescribed by the National Accrediting Agency for Clinical Sciences</i></p> <p><i>(c) Laboratory Sciences (NAACLS) is followed by an eleven month training period in a NAACLS-approved hospital. Successful completion qualifies graduates to take the American Society of Clinical Pathologists (ASCP) Board Certification Exam</i></p> <p><i>(d) MT421 will partially complete Writing Intensive (WT) requirement in General Education Requirements.</i></p> | |

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| GENERAL EDUCATION REQUIREMENTS: 39 Credits | | Credits |
| First Year Seminar | FY-101: First Year Seminar *(Select Section "CE") | 3.0 |
| Reading and Writing | EN101: College Composition I | 3.0 |
| | EN102: College Composition II | 3.0 |
| Mathematics | Fulfilled in Outside Major Requirements with MA115 | 0.0 |
| Natural Sciences | Fulfilled in Major Requirements with BY and CE courses | 0.0 |
| Literature | 3 Credits from courses designated with Course*Type: LIT | 3.0 |
| Aesthetics and Creativity | 3 Credits from Art, Music, Theatre, or Dance | 3.0 |
| Technological Literacy | IT102: Information Technology for Scientists | 3.0 |
| Reasoned Oral Discourse | 3 Credits from courses designated with Course*Type: RD | 3.0 |
| Historical Perspective | 3 Credits from courses designated with Course*Type: HS.SV | 3.0 |
| Social Science | 3 Credits from courses designated with Course*Type: SS.SV | 3.0 |
| Historical Perspective/Social Sciences | 3 Credits from courses designated with Course*Type: HS.SV or 3 Credits from courses designated with Course*Type: SS.SV | 3.0 |
| Interdisciplinary Perspectives | 3 Credits from courses designated with Course*Type: ISP | 3.0 |
| Cultural Diversity and Global Understanding or Foreign Language | 3 Credits from courses designated with Course*Type: CD and 3 Credits from courses designated with Course*Type: GU or 6 Credits from the SAME foreign language | 6.0 |
| Experiential Education | Fulfilled in Major with Professional Credits | 0.0 |
| Writing Intensive | Two Courses from major designated with Course*Type: WT | 0.0 |

**Minimum Credits for Bachelor of Science in Medical Laboratory Science
(Monmouth Medical Center) = 128.0**

NOTES:

* 58 credits must be completed at the 200 level or higher.