# MEDICAL LABORATORY SCIENCE – Clinical Lab Concentration | Four – Year Curriculum | 2023-2024

## FIRST YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Fall Semester</td>
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<tr>
<td>NH 1500 - Applications to Health</td>
<td>1</td>
<td>BHSC 1980 – Intro to Scientific Writing (WIL2)</td>
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<tr>
<td>HSCI 1100 – Introduction to Public Health (S1)</td>
<td>3</td>
<td>BHSC 1340 – Human Cell Biology (N2)</td>
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<tr>
<td>ENGS 1001 – Written Expression (WIL2)</td>
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<td>CHEM 1450 – General Chemistry II (N2)</td>
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<td>CHEM 1400 – General Chemistry I (N2)</td>
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<td>MATH 1212 – Fundamentals of Calc I (MA)</td>
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## SECOND YEAR

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<tr>
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<tr>
<td>ANPS 1190 – Ugr Human Anatomy &amp; Phys I</td>
<td>4</td>
<td>ANPS 1200 – Ugr Human Anatomy &amp; Phys II</td>
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<tr>
<td>STAT 1110 – Elements of Statistics (QD)</td>
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<td>STAT 1410 – Basic Statistical Methods I (QD)</td>
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<tr>
<td>MMG 2010 – Microbiology &amp; Infectious Disease</td>
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<td>NH 2200 – Health Care Ethics</td>
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<tr>
<td>BHSC 2970 – Leadership and Mgmt in Hlth Care¹</td>
<td>3</td>
<td>MMG 3210 – Adv Medical Microbiology²</td>
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<td>BIOC 3100 – Fundamentals of Biochemistry</td>
<td>3</td>
<td>BHSC 3420 – Immunology or</td>
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<td>PATH 2010 – Intro to Human Disease</td>
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<td>MMG 2320 – Immunology¹</td>
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<td>MLS 3100 – Clinical Chemistry I¹</td>
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<td>BHSC 3440 – Immunology Lab¹</td>
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<td>MLS 3110 – Clinical Chemistry II¹</td>
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## FOURTH YEAR

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<tr>
<td>BHSC 3810 – Applied Molecular Bio¹</td>
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<td>MLS 3900 – Topics in Med Lab Science²</td>
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<td>BHSC 3820 – Applied Molecular Bio Lab¹</td>
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<td>MLS 3192 – Clinical Practicum: Chemistry¹</td>
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<td>MLS 3200 – Hematology¹</td>
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<td>MLS 3300 – Clinical Microbiology II¹</td>
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**NOTES:** ¹Professional Course. This plan of study is designed to meet the requirements for the Medical Laboratory Science major’s clinical laboratory science concentration. Changes should be reviewed with a student’s academic advisor. A minimum of 121 semester credit hours, minimum GPA per program requirement, and fulfillment of the University’s Catamount Core are required for graduation.