



This graduation plan illustrates the type of curriculum a new student would take to complete a degree in four years. It is not meant to serve as an official document. Students should contact The School of Health Sciences and Wellness Student Success Center to develop a personalized plan of study. Refer to the University Catalog for a complete list of requirements: <https://catalog.uwsp.edu/>.

| | | | |
|--|----------------|--|----------------|
| Semester 1 | Credits | Semester 2 | Credits |
| GEP Critical Thinking (CT) | 3 | BIOL 101 – General Biology (NS) | 5 |
| ENGL 101 - Freshman English (WC) | 3 | CHEM 106 - Fundamental Chemistry | 5 |
| CHEM 105 - Fundamental Chemistry (NS) | 5 | HSW 104 - Medical Terminology | 3 |
| MLS 125 - Introduction to Clinical Laboratory Science | 2 | ENGL 202 - Sophomore English (WC) | 3 |
| SOC 101 - Introduction to Sociology (SS, USD) | 3 | | |
| <i>Total credits</i> | 16 | <i>Total credits</i> | 16 |
| | | | |
| Semester 3 | Credits | Semester 4* | Credits |
| CHEM 221/222 – Survey of Organic Chemistry and Lab | 4 | CHEM 260 – Elementary Biochemistry | 4 |
| BIOL 210 - Principles of Genetics | 3 | BIOL 385 – Human Physiology | 4 |
| BIOL 333 – General Microbiology | 4 | HSW 301 - Fundamentals of Biostatistics (QL) | 3 |
| GEP Wellness (WLN) | 1 | GEP Humanities (HU) | 3 |
| GEP Historical Perspective & Global Awareness (HP/GA) | 3 | | |
| <i>Total credits</i> | 15 | <i>Total credits</i> | 14 |
| | | | |
| Semester 5 | Credits | Semester 6 | Credits |
| GEP Environmental Responsibility (ER) | 3 | MLS 415 - Hematology - <i>Sp only</i> | 4 |
| HSW 385 - Leadership Development | 3 | MLS 414 - Hemostasis – <i>Sp only</i> | 1 |
| MLS 405 – Clinical Chemistry - <i>Fa only</i> | 5 | MLS 425 - Diagnostic Medical Microbiology - <i>Sp only</i> | 5 |
| MLS 427 - Diagnostic Medical Parasitology - <i>Fa only</i> | 1 | HSW 360 - Research Design & Methods | 3 |
| MLS 428 - Medical Mycology - <i>Fa only</i> | 1 | GEP Art (ART) | 3 |
| MLS 435 - Immunology - <i>Fa only</i> | 3 | | |
| <i>Total credits</i> | 16 | <i>Total credits</i> | 16 |
| | | | |
| | | Summer | Credits |
| | | MLS 365 - Body Fluid Analysis – <i>Su only</i> | 2 |
| | | MLS 445 – Immunohematology – <i>Su only</i> | 4 |
| | | MLS 465 - Molecular Pathology – <i>Su only</i> | 3 |
| | | <i>Total credits</i> | 9 |
| | | | |
| Senior Clinical Practicum | | Senior Clinical Practicum | |
| Semester 7 | Credits | Semester 8 | Credits |
| MLS 406 - Clinical Chemistry Practicum | 4 | MLS 416 - Clinical Hematology/Hemostasis Practicum | 4 |
| MLS 426 - Diagnostic Microbiology Practicum | 5 | MLS 446 - Clinical Immunohematology Practicum | 3 |
| MLS 436 - Clinical Immunology Practicum | 2 | MLS 486 – Management/Laboratory Information Systems | 2 |
| MLS 476 - Clinical Body Fluid Analysis | 1 | MLS 499 - Advanced Clinical Studies | 3 |
| <i>Total credits</i> | 12 | <i>Total credits</i> | 12 |
| | | <i>Total credits</i> | 126 |

*Eligibility to enter the Professional Program in Clinical Laboratory Studies is determined in the 4th semester. Minimum GPA of 2.75 overall and in the sciences is required.

(Fa) = offered fall semesters (Sp) = offered spring semesters (Su) = offered only in summer

General Education Program (GEP) category abbreviations: Arts (ART), Critical Thinking (CT), Environmental Responsibility (ER), Global Awareness (GA), Historical Perspectives (HP), Humanities (HU), Natural Sciences (NS), Quantitative Literacy (QL), Social Sciences (SS), U.S. Diveristy (USD), Wellness (WLN), Written Communication (WC).

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| Semester 1 | Credits | Semester 2 | Credits |
|---|----------------|-----------------------------------|----------------|
| GEP Critical Thinking (CT) | 3 | BIOL 101 – General Biology (NS) | 5 |
| ENGL 101 – Freshman English (WC) | 3 | CHEM 106 – Fundamental Chemistry | 5 |
| CHEM 105 – Fundamental Chemistry (NS) | 5 | HSW 104 – Medical Terminology | 3 |
| MLS 125 – Introduction to Clinical Laboratory Science | 2 | ENGL 202 – Sophomore English (WC) | 3 |
| SOC 101 – Introduction to Sociology (SS, USD) | 3 | GEP Wellness (WLN) | 1 |
| <i>Total credits</i> | 16 | <i>Total credits</i> | 17 |

| Semester 3 | Credits | Semester 4* | Credits |
|-----------------------------------|----------------|--|----------------|
| CHEM 248 – Quantitative Analysis | 4 | CHEM 325 – Organic Chemistry I | 4 |
| BIOL 210 – Principles of Genetics | 3 | GEP Humanities (HU) | 3 |
| BIOL 333 – General Microbiology | 4 | HSW 301 – Fundamentals of Biostatistics (QL) | 3 |
| GEP Art (ART) | 3 | GEP Environmental Responsibility | 3 |
| <i>Total credits</i> | 14 | BIOL 385 - Human Physiology | 4 |
| | | <i>Total credits</i> | 17 |

| Semester 5 | Credits | Semester 6 | Credits |
|--|----------------|--|----------------|
| HSW 360 – Research Design & Methods | 3 | CHEM 260 – Elementary Biochemistry | 4 |
| CHEM 326 – Organic Chemistry II | 4 | MLS 415 – Hematology - <i>Sp only</i> | 4 |
| MLS 405 – Clinical Chemistry - <i>Fa only</i> | 5 | MLS 414 – Hemostasis - <i>Sp only</i> | 1 |
| MLS 427 – Diagnostic Medical Parasitology - <i>Fa only</i> | 1 | MLS 425 – Diagnostic Medical Microbiology - <i>Sp only</i> | 5 |
| MLS 428 – Medical Mycology - <i>Fa only</i> | 1 | GEP Historical Perspective and Global Awareness | 3 |
| MLS 435 – Immunology - <i>Fa only</i> | 3 | <i>Total credits</i> | 17 |
| <i>Total credits</i> | 17 | | |

| Summer | Credits |
|--|----------------|
| MLS 365 – Body Fluid Analysis – <i>Su only</i> | 2 |
| MLS 445 – Immunohematology – <i>Su only</i> | 4 |
| MLS 465 – Molecular Pathology – <i>Su only</i> | 3 |
| HSW 385 – Leadership Development | 3 |
| <i>Total credits</i> | 12 |

Senior Clinical Practicum

| Semester 7 | Credits | Semester 8 | Credits |
|---|----------------|---|----------------|
| MLS 406 – Clinical Chemistry Practicum | 4 | MLS 416 – Clinical Hematology/Hemostasis Practicum | 4 |
| MLS 426 – Diagnostic Microbiology Practicum | 5 | MLS 446 – Clinical Immunohematology Practicum | 3 |
| MLS 436 – Clinical Immunology Practicum | 2 | MLS 486 – Management and Laboratory Information Systems | 2 |
| MLS 476 – Clinical Body Fluid Analysis | 1 | MLS 499 – Advanced Clinical Studies | 3 |
| <i>Total credits</i> | 12 | <i>Total credits</i> | 12 |

Total credits 134

*Eligibility to enter the Professional Program in Clinical Laboratory Studies is determined in the 4th semester. Minimum GPA of 2.75 overall and in the sciences is required.

(Fa) = offered fall semesters (Sp) = offered spring semesters (Su) = offered only in summer

General Education Program (GEP) category abbreviations: Arts (ART), Critical Thinking(CT), Environmental Responsibility (ER), Global Awareness (GA), Historical Perspectives (HP), Humanities (HU), Natural Sciences (NS), Quantitative Literacy (QL), Social Sciences (SS), U.S. Diveristy (USD), Wellness (WLN), Written Communication (WC).

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| | | | |
|--|----------------|--|----------------|
| Semester 1 | Credits | Semester 2 | Credits |
| ENGL 101 - Freshman English (WC) | 3 | BIOL 101 - General Biology | 5 |
| CHEM 105 - Fundamental Chemistry | 5 | CHEM 106 - Fundamental Chemistry | 5 |
| MLS 125 - Introduction to Clinical Laboratory Science | 2 | GEP Critical Thinking (CT) | 3 |
| SOC 101 - Introduction to Sociology (SS, USD) | 3 | GEP Historical Perspective (HP) | 3 |
| HSW 100 - Student Success in Health Professions | 1 | | |
| GEP Wellness (WLN) | 1 | | |
| Total credits | 15 | Total credits | 16 |
| | | | |
| Semester 3 | Credits | Semester 4* | Credits |
| GEP Global Awareness (GA) | 3 | BIOL 387 - Human Anatomy | 4 |
| BIOL 385 - Human Physiology | 4 | BIOL 210 - Principles of Genetics | 3 |
| HSW 104 - Medical Terminology | 3 | HSW 301 - Fundamentals of Biostatistics (QL) | 3 |
| BIOL 333 - General Microbiology | 4 | GEP Art (ART) | 3 |
| | | ENGL 202 - Sophomore English (WC) | 3 |
| Total credits | 14 | Total credits | 16 |
| | | | |
| Semester 5 | Credits | Semester 6 - Submit application to Marshfield Clinic Practicum | Credits |
| BIOL 314 - Cell Biology | 4 | MLS 425 - Diagnostic Medical Microbiology - <i>Sp only</i> | 5 |
| HSW 385 - Leadership Development | 3 | HSW 360 - Research Design & Methods | 3 |
| MLS 427 - Diagnostic Medical Parasitology - <i>Fa only</i> | 1 | GEP Environmental Responsibility (ER) | 3 |
| MLS 428 - Medical Mycology - <i>Fa only</i> | 1 | MLS 415 - Hematology - <i>Sp only</i> | 4 |
| MLS 435 - Immunology - <i>Fa only</i> | 3 | | |
| GEP Humanities (HU) | 3 | | |
| Total credits | 15 | Total credits | 15 |
| | | | |
| Senior Clinical Practicum at Marshfield Clinic | | Summer | Credits |
| Semester 7 | Credits | MLS 365 - Body Fluid Analysis - <i>Su only</i> | 2 |
| MLS 409 - Immunohistochemistry | 3 | MLS 465 - Molecular Pathology - <i>Su only (Suggested if credits needed)</i> | 3 |
| MLS 410 - Histology Techniques I | 3 | Total credits | 5 |
| MLS 412 - Histology Instrumentation | 3 | Senior Clinical Practicum at Marshfield Clinic | |
| MLS 421 - Frozen Sections and Cytology Preparation | 3 | Semester | Credits |
| Total credits | 12 | MLS 402 - Microscopy | 1 |
| | | MLS 411 - Histology Techniques II | 3 |
| | | MLS 420 - Special Stains | 6 |
| | | MLS 488 - Methodologies in Histology Education | 1 |
| | | MLS 491 - Management in Histology | 1 |
| | | Total credits | 12 |
| | | Total credits | 120 |

*Eligibility to enter the Professional Program in Clinical Laboratory Studies is determined in the 4th semester. Minimum GPA of 2.75 overall and in the sciences is required.

(Fa) = offered fall semesters (Sp) = offered spring semesters (Su) = offered only in summer

General Education Program (GEP) category abbreviations: Arts (ART), Critical Thinking (CT), Environmental Responsibility (ER), Global Awareness (GA), Historical Perspectives (HP), Humanities (HU), Natural Sciences (NS), Quantitative Literacy (QL), Social Sciences (SS), U.S. Diversity (USD), Wellness (WLN), Written Communication (WC).

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This graduation plan illustrates the type of curriculum a **student with an associate degree in Medical Laboratory Technician (MLT) would take to complete the degree**. This plan will shift depending on transfer credit of general education courses from associate degree in medical laboratory technician. It is not meant to serve as an official document. Students should contact their academic adviser to develop a personalized plan of study. Refer to the University Catalog for a complete list of requirements: <https://catalog.uwsp.edu/>.

| <u>Fall 1</u> | <u>Credits</u> | <u>Winter 1</u> | <u>Credits</u> | <u>Spring 1</u> | <u>Credits</u> | <u>Summer 1</u> | <u>Credits</u> |
|--|----------------|------------------------------|----------------|--|----------------|--|----------------|
| ENGL 202 - Sophomore English (WC) | 3 | GEP Arts Elective (ART) | 3 | MLS 453 - Adv Studies in Clinical Chemistry | 3 | CHEM 101 - Basic Chemistry | 5 |
| MLS 451 - Adv Clinical Studies in Immunology & Immuno-hematology | 3 | | | MLS 454 - Adv Diagnostic Microbiology | 3 | CHEM 221 - Organic Chemistry | 3 |
| MLS 452 - Adv Clinical Studies in Hematology and Hemostasis | 3 | | | BIOL 210 - Principles of Genetics | 3 | | |
| <i>Total credits</i> | 9 | <i>Total credits</i> | 3 | <i>Total credits</i> | 9 | <i>Total credits</i> | 8 |
| | | | | | | | |
| <u>Fall 2</u> | <u>Credits</u> | <u>Winter 2</u> | <u>Credits</u> | <u>Spring 2</u> | <u>Credits</u> | <u>Summer 2</u> | <u>Credits</u> |
| MLS 482* - Clinical Practicum I | 0-12 | GEP Humanities Elective (HU) | 3 | GEP Environmental Responsibility Elective (ER) | 3 | HSW 385** - Professionalism and Leadership | 3 |
| HSW 301 - Fund. of Biostatistics (QL) | 3 | | | HSW 360 - Evidence Based Research Methods | 3 | GEP Wellness Elective (WLN) | 1 |
| GEP World History Elective (HP/GA) | 3 | | | | | | |
| <i>Total credits</i> | 6-18 | <i>Total credits</i> | 3 | <i>Total credits</i> | 6 | <i>Total credits</i> | 4 |
| | | | | | | | |
| <u>Fall 3</u> | <u>Credits</u> | | | | | | |
| MLS 484 - Professional Practice | 12 | | | | | | |
| <i>Total credits</i> | 12 | | | | | | |

Total credits 60-72

*Prior Learning Assessment (PLA) credit can be awarded to students who have two years of work experience as a certified MLT in a medical laboratory setting. Students may apply for prior learning credit for demonstrated proficiency in their professional practice. Up to 12 credits may be awarded. Consult with adviser for more information. An affiliation agreement will need to be completed with student's employer and UW-Stevens Point, if not already an affiliated partner.

**Prior Learning Assessment (PLA) credit can be awarded to students who have two years of work experience as a certified MLT in a medical laboratory setting. Students may earn 3 credits in PLA for HSW 385.

Must hold an associate degree from an accredited MLT program and have two years experience as a certified MLT in a medical laboratory setting before taking MLT to MLS courses. Students who have not reached the two years' experience may work on general education and other program requirements in the meantime.

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