



Bachelor of Science

Medical Laboratory Science

Program Overview

The Bachelor of Science in Medical Laboratory Science prepares students to become highly skilled laboratory professionals who play a critical role in patient diagnosis and treatment, as well as leaders within the healthcare field. Through comprehensive coursework in the biological and chemical sciences, students complete all prerequisite requirements while building a strong foundation across multiple laboratory disciplines. Following completion of prerequisite coursework, students may apply to a one-year clinical residency at an affiliated healthcare institution, where they gain hands-on experience in a real-world setting. Upon successful completion of the Medical Laboratory Science program, graduates are eligible to sit for a national certification examination, positioning them for entry into a high-demand healthcare profession.

Program Highlights

- **3+1 Program Model** – Three years at WCU + one-year clinical residency
- **Clinical Partnerships** – Train at affiliated healthcare facilities
- **Certification Ready** – Eligible for national MLS certification exam
- **Built-in Biology Minor**
- **FREE TEXTBOOKS**

Admission Requirements

1. Submission of a completed undergraduate application to William Carey University
2. Must have a minimum grade of C in all transfer courses
3. Must be in good standing at William Carey University
4. Upon admission, complete and submit a notarized criminal background check affidavit

Progression

- Students in the Medical Laboratory Science program are required to maintain a GPA ≥ 2.0 on Medical Laboratory Science major courses.
- Any courses with a grade of D or F must be repeated
- Required science prerequisite courses and Medical Laboratory Science courses may only be repeated twice
- A second grade below a C in a required science prerequisite course or a Medical Laboratory Science course will deem the student ineligible to progress in the program
- All courses taken at an affiliated institution are subject to the progression regulations of that institution

Bachelor of Science Core Curriculum (38 hrs)

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| REL 101 - Introduction to the Old Testament (3 hrs) | HIS 101/102 – World History I & II (6hrs) |
| REL 102 - Introduction to the New Testament (3 hrs) | OR HIS 201/202 – American History I & II (6 hrs) |
| ENG 101 - Composition (3 hrs) | PSY 201 - Psychology (3 hrs) |
| ENG 102 - Research and Composition (3 hrs) | BIO 260 - General Microbiology (4 hrs) |
| ENG LIT 211 -World Literature I (3 hrs) | MAT 131 College Algebra (3 hrs) or higher math course |
| OR ENG LIT 212 - World Literature II (3 hrs) | Fine Arts- MHL 100, ART 200, OR THE 135 (3 hrs) |
| COM 101 - Public Speaking (3 hrs) | Physical Education – one activity course (1hr) |
| OR COM 202 – Interpersonal Communications (3hrs) | OR HEA 300 (3 hr) |

BS-MLS Pre-requisites (20 hours)

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|---|---------------------------------------|
| CHE 111- Inorganic Chemistry I (4 hrs) | CHE 212 -Organic Chemistry II (4 hrs) |
| CHE 112- Inorganic Chemistry II (4 hrs) | BIO 419 -Immunology (4 hrs) |
| CHE 211- Organic Chemistry I (4 hrs) | |

General Electives (27 hours)

The general elective hours will be used to fulfill the requirements of a minor.

Full-time MLS Plan of Study

Fall	Spring	Summer
MSL 4010 - Residency I (9 hrs) MSL 3130- Statistics for Healthcare Professionals (3 hrs)	MSL 4020 - Residency II (9hrs) MSL 4100- Introduction to Research and Evidence Based Practice (3 hrs)	MSL 4030 - Residency III (9 hrs) MSL 3160 - Leadership/ Management in Healthcare Professions (2 hrs)
Total Credit Hours- 12	Total Credit Hours - 12	Total Credit Hours- 11

Total 35 hours

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Visit our website for more details:

