

Bachelor of Science in Medical Laboratory Science	
MAJOR REQUIREMENTS/LABORATORY SCIENCE: 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
BY310: 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 (a)	3.0
MA151: Statistics with Applications	3.0
PROFESSIONAL CREDITS: 32 Credits (b, c)	Credits
ML411: Clinical Internship I (c)	16.0
ML412: Clinical Internship II	16.0
FREE ELECTIVES: 6 Credits	Credits
_____	6.0
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<p>(a) May substitute MA116 or MA125, depending on placement.</p> <p>(b) Completion of 96 credits of collegiate work prescribed by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) is followed by an eleven month training period in a NAACLS-approved hospital program. Successful completion qualifies graduates to take the American Society of Clinical Pathologists (ASCP) Board Certification Exam.</p> <p>(c) ML-411 will partially complete Writing Intensive (WT) requirement in General Education Requirements.</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 or MA151	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 Requirements with Professional Credits	0.0
Writing Intensive	Two Courses from major designated with Course*Type: WT	0.0
		0.0

**Minimum Credits for Bachelor of Science in Medical Laboratory Science = 128.0**

**NOTES:**

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