

Bachelor of Science in Medical Laboratory Science

Medical Laboratory Science with a Major in Cytology (BSMLS)

Degree Program Guide

The Degree Program Guide is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.

Course	Title	Credit Hours
Freshman		
Fall		
ENGL 110C	English Composition (C or better required)	3
MATH 102M or MATH 103M	College Algebra or College Algebra with Supplemental Instruction	3
BIOL 121N	General Biology I	3
BIOL 122N	General Biology I Lab	1
CHEM 105N or CHEM 121N	Introductory Chemistry or Foundations of Chemistry I Lecture	3
CHEM 106N or CHEM 122N	Introductory Chemistry Laboratory or Foundations of Chemistry I Laboratory	1
Credit Hours		14
Spring		
BIOL 123N	General Biology II	3
BIOL 124N	General Biology II Lab	1
CHEM 107N or CHEM 123N	Introductory Organic and Biochemistry or Foundations of Chemistry II Lecture	3
CHEM 108N or CHEM 124N	Introductory Organic and Biochemistry Laboratory or Foundations of Chemistry II Laboratory	1
Literature		3
Information Literacy (HLTH 120G preferred)		3
Credit Hours		14
Sophomore		
Fall		
ENGL 211C or ENGL 231C	Writing, Rhetoric, and Research (C or better required) or Writing, Rhetoric, and Research: Special Topics	3
BIOL 240 or BIOL 250	Fundamentals of Anatomy and Physiology I or Human Anatomy and Physiology I	4
BIOL 150	Introductory Microbiology	3
BIOL 151	Introductory Microbiology Laboratory	1

Human Creativity		3
Credit Hours		14
Spring		
BIOL 241 or BIOL 251	Fundamentals of Anatomy and Physiology II or Human Anatomy and Physiology II	4
Interpreting the Past		3
Human Behavior		3
Philosophy and Ethics (PHIL 345E preferred for Option D)		3
MLS 310	Urinalysis and Body Fluids	1
Credit Hours		14
Junior		
Fall		
CYTO 404	General Pathology	3
CYTO 407	Clinical Histology	3
MDTS 401	Molecular Diagnostics Laboratory	3
MLS 403W	Management in the Clinical Setting (C or better required)	3
Impact of Technology (HIST 304T preferred for Option D)		3
Credit Hours		15
Spring		
CYTO 403	Gynecological Screening Laboratory	3
CYTO 405	Normal Gynecological Cytology	3
CYTO 415	Abnormal Gynecological Cytology	4
CYTO 430	Cytopreparation & Ancillary Techniques	4
CYTO 444	Genitourinary Cytology	2
CYTO 445	Breast Cytology	2
Credit Hours		18
Summer		
CYTO 424	Respiratory Cytology	4
CYTO 446	Body Fluids Cytology	3
CYTO 448	Non-Epithelial Cytology	1
CYTO 468	Cytology Internship II	4
CYTO 442	Gastro-Intestinal Cytology	2
CYTO 458	Cytology Internship I	3
Credit Hours		17
Senior		
Fall		
CYTO 456	Fine Needle Aspiration Cytology I	3
CYTO 457	Fine Needle Aspiration Cytology II	3
CYTO 478	Cytology Internship III	8
CYTO 497	Cytology Senior Seminar	1
CYTO 499	Comprehensive Cytology Review	1
Credit Hours		16
Total Credit Hours		122