Medical Technology | Major

Alvernia offers a major in medical technology as part of the Bachelor of Science degree programs in both chemistry and biology. Students must complete one year of clinical study and experience at a school of medical technology approved by the National Accrediting Agency for Clinical Laboratories (NAACLS) after satisfying the program requirements at Alvernia. Alvernia provides assistance in making application for admission to the clinical year program; however, admission is determined solely by the hospital. All clinical year graduates become eligible to take the certification examination for medical technologist (M.T.).

CHEMISTRY-MED. TECH. (52 credits)

Major Requirements (28 credits)

CHE 104	General Chemistry I
CHE 105	General Chemistry II
CHE 107	Laboratory Safety
CHE 110	General Chemistry I Lab
CHE 111	General Chemistry I Lab
CHE 201	Organic Chemistry I
CHE 202	Organic Chemistry II
CHE 210	Organic Chemistry I Lab
CHE 211	Organic Chemistry II Lab
CHE 212	Analytical Chemistry w/Lab
CHE 301	Physical Chemistry I
CHE 401	Biochemistry w/Laboratory
CHE 410	Biochemistry Laboratory

Related Requirements (22 credits)

BIO 107	Human Anatomy and Physiology I
BIO 108	Human Anatomy and Physiology II
BIO 117	Human Anatomy and Physiology I Lab
BIO 118	Human Anatomy and Physiology II Lab
BIO 221	General Microbiology w/Lab
BIO 303	Genetics
BIO 409	Immunology
MAT 209	Probability and Statistics

BIOLOGY-MED.TECH. (54-55 Credits)

Major Requirements (29-30 credits)

BIO 103	Principles of Biology w/Lab
BIO 104	Zoology w/Lab
BIO 107	Anatomy and Physiology I
BIO 108	Anatomy and Physiology II
BIO 117	Anatomy and Physiology I Lab
BIO 118	Anatomy and Physiology II Lab
BIO 221	General Microbiology w/Lab
BIO 303	Genetics
BIO 409	Immunology

3-4 elective credits in biology

Related Requirements (25 credits)

CHE 104	General Chemistry I
CHE 105	General Chemistry II
CHE 107	Laboratory Safety
CHE 110	General Chemistry I Lab
CHE 111	General Chemistry II Lab
CHE 201	Organic Chemistry I
CHE 202	Organic Chemistry II
CHE 210	Organic Chemistry I Lab
CHE 211	Organic Chemistry II Lab
CHE 212	Analytical Chemistry w/Lab
MAT 209	Probability and Statistics

*Plus 39 credits in Liberal Arts core and COL 110/160 (2 credits)

Clinical Training at accredited Hospital Facility (30-32 credits)

Courses typically include: immunohematology, chemistry, clinical microscopy, coagulation, hematology, microbiology, serology, and immunology. This is completed in the students 4th year.

CONTACT INFORMATION

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