

Medical Technology Preparation

Pre-professional program

FOR PRE-PROFESSIONAL PROGRAM

Total Hours:

60 minimum

Coordinator:

Benjamin Norris, Assistant Professor, Department of Chemistry

- You must complete at least 60 hours of academic preparation, exclusive of Health & Physical Education, before beginning the professional segment of this program.
- The Summary of Requirements will assist you in planning your first two years of study which fulfill the requirements of the University of Maryland, Baltimore, and the National Accrediting Agency for Clinical Laboratory Science. Students interested in attending other institutions should consult their catalogs for specific entrance requirements.
- The Pre-Medical Technology Program is competitive and high-quality academic performance is expected.
- You cannot major or minor in Medical Technology Preparation.

Summary of Requirements for Pre-professional Program in Medical Technology

1. Biology: (15-16 hours)

BIOL 149 General Biology I
 BIOL 304 Microbiology
 BIOL 321 Anatomy and Physiology I

Biology Elective - choose one from the following:

BIOL 310 Cell Biology
 BIOL 322 Anatomy and Physiology II
 BIOL 350 Genetics

2. Chemistry (12 hours)

CHEM 201 General Chemistry I
 CHEM 202 General Chemistry II
 CHEM 311 & 312 Organic Chemistry I (and lab)

3. English (6 hours)

ENGL 101/111 Freshman Composition
 or ENGL 310/312 Advanced Composition
 ENGL 150/250 Intro. to Literature
 or an advanced English/American Literature course

4. Humanities (3 hours)

Select a non-performing course from art, music, foreign language (2nd year or above), humanities, communication studies, theatre, philosophy.

5. Mathematics (6 hours)

MATH 119 College Algebra
 or MATH 120 Pre-Calculus or MATH 236 Calculus I
 MATH 109/110 Elements of Applied Probability and Statistics
 or MATH 380 Intro. to Probability and Statistics

6. Guided Electives (3 hours)

Select a Communications Studies (CMST) course focusing on communication and/or speech course such as CMST 102/112 Intro. to Human Communication or CMST 122 Intro. to Public Speaking.

7. Social Sciences (6 hours)

Select courses from economics, geography, history, political science, psychology, sociology, African American studies.

8. Electives (minimum 8 hours)

Select courses from biology, chemistry, and physics.

Strongly recommended:

CHEM 321 & CHEM 322 Organic Chemistry II (and lab)
 PHYS 215 General Physics I or PHYS 261 Principles of Physics I
 PHYS 216 General Physics II or PHYS 262 Principles of Physics II

Nursing Preparation

Pre-professional program

PRE-PROFESSIONAL PROGRAM

Total Hours Required:

60

Coordinator:

Kara Platt, Assistant Professor, Department of Nursing

- Prospective nurses interested in a B.S. degree from a school of nursing may take a two-year program at FSU. It is expected that each student enrolled in the pre-nursing program will earn and maintain a **minimum 3.2** cumulative grade point average.
- Most nursing schools (including the University of Maryland, Baltimore School of Nursing) require an admissions test prior to applying. Students should consult individual nursing schools for information.
- You cannot major or minor in Nursing Preparation.
- This program does not result in a degree in nursing.

A liberal arts program is recommended as preparation for professional study in the field of nursing, particularly if you are interested in the additional career opportunities available to those earning a B.S. degree in Nursing.

1. Biology: (16 hours)

BIOL 149 General Biology I
 BIOL 304 Microbiology
 BIOL 321 Anatomy & Physiology I
 BIOL 322 Anatomy & Physiology II

2. Chemistry: (4 or 8 hours*)

CHEM 201 General Chemistry I
 CHEM 202 General Chemistry II
 (*The University of Maryland, Baltimore only requires CHEM 201)

3. English: (6 hours)

ENGL 101 Freshman Composition
 ENGL 308 Social Sciences Advanced Composition
 or ENGL 338 Technical Writing
 or ENGL 339 Scientific Writing

4. Humanities: (9 hours)

Must include courses from at least three of the following disciplines:
 English (literature courses), history, philosophy, foreign languages, music/art (history and/or appreciation), speech

5. Social Sciences (9 hours)

PSYC 150 General Psychology
 PSYC 208 Intro to Lifespan Development
 SOCI 100 Introduction to Sociology

6. Other Required Courses: (9 hours)

HEED 200 Nutrition (to be taken in Spring of 2nd year)
 MATH 119 College Algebra
 MATH 109 Elements of Probability and Statistics