### Medical Technology Preparation

**Pre-professional program**

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<th>FOR PRE-PROFESSIONAL PROGRAM</th>
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<td>Total Hours: 60 minimum</td>
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**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

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 310/312 Advanced Composition
   - ENGL 338 Technical Writing
   - ENGL 339 Scientific Writing

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
   - MATH 120 Pre-Calculus or MATH 236 Calculus I
   - MATH 109/110 Elements of Applied Probability and Statistics
   - 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**

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<td>Total Hours Required: 60</td>
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**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 and Physiology I
   - BIOL 322 Anatomy and Physiology II

2. **Chemistry:** (4 or 8 hours*)
   - CHEM 201 General Chemistry I
   - CHEM 202 General Chemistry II
   - CHEM 350 Genetics

3. **English:** (6 hours)
   - ENGL 101 Freshman Composition
   - ENGL 308 Social Sciences Advanced Composition
   - ENGL 338 Technical Writing
   - 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 205 Intro to Lifespan Development
   - SOCI 100 Introduction to Sociology

6. **Other Required Courses:** (9 hours)
   - MATH 119 College Algebra
   - MATH 109 Elements of Probability and Statistics
   - MATH 200 Nutrition (to be taken in Spring of 2nd year)