

Lehman College Pre Health Office

Medical School Requirements

- BIO 166: Principles of Biology: Cells and Genes (4 credits)
- BIO 167: Principles of Biology: Organisms (4 credits)
- CHE 166: General Chemistry I Lecture (3 credits)
- CHE 167: General Chemistry I Lab (2 credits)
- CHE 168: General Chemistry II Lecture (3 credits)
- CHE 169: General Chemistry II Lab (2 credits)
- CHE 232: Organic Chemistry I Lecture (3 credits)
- CHE 233: Organic Chemistry II Lab (2 credits)
- CHE 234: Organic Chemistry II Lecture (3 credits)
- CHE 235: Organic Chemistry II Lab (2 credits)
- PHY 166: General Physics I (5 credits)
- PHY 167: General Physics II (5 credits)
- MAT 175: Calculus I (4 credits)
- MAT 176: Calculus II (4 credits)
- *BIO 400: Biological Chemistry (4 credits) or
CHE 444: Biochemistry I (4 credits)
- ENG 111: English Composition I (3 credits)
- ENG 121: English Composition II (3 credits)
- *PSY 166: General Psychology (3 credits)
- *SOC 166: Fundamentals of Sociology (3 credits)

*These courses are not required for medical schools, but are tested on the MCAT. Thus, it is to your best interest to take these courses. Recently, several medical schools have added biochemistry as a requirement or strongly recommended course. Taking either BIO 400 or CHE 444 will satisfy this.

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Dental School Requirements

- BIO 166: Principles of Biology: Cells and Genes (4 credits)
- BIO 167: Principles of Biology: Organisms (4 credits)
- CHE 166: General Chemistry I Lecture (3 credits)
- CHE 167: General Chemistry I Lab (2 credits)
- CHE 168: General Chemistry II Lecture (3 credits)
- CHE 169: General Chemistry II Lab (2 credits)
- CHE 232: Organic Chemistry I Lecture (3 credits)
- CHE 233: Organic Chemistry II Lab (2 credits)
- CHE 234: Organic Chemistry II Lecture (3 credits)
- CHE 235: Organic Chemistry II Lab (2 credits)
- PHY 166: General Physics I (5 credits)
- ENG 111: English Composition I (3 credits)
- ENG 121: English Composition II (3 credits)

Mathematics (calculus and/or statistics) is not required at most dental schools, but is often recommended. You should contact individual schools to see if mathematics is required. If your major is one of the natural sciences (ex, biology, chemistry, or physics) you will be required to take one year of calculus.

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Pharmacy School Requirements

- BIO 166: Principles of Biology: Cells and Genes (4 credits)
- BIO 167: Principles of Biology: Organisms (4 credits)
- BIO 181: Anatomy & Physiology I (4 credits)
- BIO 182: Anatomy & Physiology II (4 credits)
- *BIO 230: Microbiology (4 credits)
- CHE 166: General Chemistry I Lecture (3 credits)
- CHE 167: General Chemistry I Lab (2 credits)
- CHE 168: General Chemistry II Lecture (3 credits)
- CHE 169: General Chemistry II Lab (2 credits)
- CHE 232: Organic Chemistry I Lecture (3 credits)
- CHE 233: Organic Chemistry II Lab (2 credits)
- CHE 234: Organic Chemistry II Lecture (3 credits)
- CHE 235: Organic Chemistry II Lab (2 credits)
- PHY 166: General Physics I (5 credits)
- PHY 167: General Physics II (5 credits)
- MAT 175: Calculus I (4 credits)
- MAT 176: Calculus II (4 credits)
- MAT 132: Statistics (4 credits)
- *BIO 400: Biological Chemistry (4 credits) or
CHE 444: Biochemistry I (4 credits) [*strongly recommended*]
- ENG 111: English Composition I (3 credits)
- ENG 121: English Composition II (3 credits)
- PSY 166: General Psychology (3 credits)
- ECO 166: Introduction to Macroeconomics (3 credits)

*Students who are majoring in biology should take BIO 331 (Experimental Microbiology) to satisfy the requirement of microbiology. This is advisable since BIO 230 is not credited as a course under the biology major.

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Physician Assistant School Requirements

The following list of requirements represents a general list of courses required by PA schools and shouldn't be used as a template for every school. It is in your best interest to research each school of your interest to understand which specific courses from the list below are required and any additional courses that may be needed.

- BIO 166: Principles of Biology: Cells and Genes (4 credits)
- BIO 167: Principles of Biology: Organisms (4 credits)
- BIO 181: Anatomy & Physiology I (4 credits)
- BIO 182: Anatomy & Physiology II (4 credits)
- CHE 166: General Chemistry I Lecture (3 credits)
- CHE 167: General Chemistry I Lab (2 credits)
- CHE 168: General Chemistry II Lecture (3 credits)
- CHE 169: General Chemistry II Lab (2 credits)
- CHE 232: Organic Chemistry I Lecture (3 credits)
- CHE 233: Organic Chemistry II Lab (2 credits)
- CHE 234: Organic Chemistry II Lecture (3 credits)
- CHE 235: Organic Chemistry II Lab (2 credits)
- PHY 166: General Physics I (5 credits)
- PHY 167: General Physics II (5 credits)
- MAT 172: Precalculus
- MAT 132: Statistics (4 credits)
- ENG 111: English Composition I (3 credits)
- ENG 121: English Composition II (3 credits)

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Physical Therapy School Requirements

- BIO 166: Principles of Biology: Cells and Genes (4 credits)
- BIO 167: Principles of Biology: Organisms (4 credits)
- BIO 181: Anatomy & Physiology I (4 credits)
- BIO 182: Anatomy & Physiology II (4 credits)
- CHE 166: General Chemistry I Lecture (3 credits)
- CHE 167: General Chemistry I Lab (2 credits)
- CHE 168: General Chemistry II Lecture (3 credits)
- CHE 169: General Chemistry II Lab (2 credits)
- PHY 166: General Physics I (5 credits)
- PHY 167: General Physics II (5 credits)
- *MAT 172: Precalculus (4 credits)
- MAT 132: Statistics (4 credits)
- ENG 111: English Composition I (3 credits)
- ENG 121: English Composition II (3 credits)
- PSY 166: General Psychology (3 credits)
- † A 200 level psychology course

*Some schools only require MAT 104 (College Algebra) as a math requirement, in addition to statistics. It is best to look at individual schools of your choice to see if precalculus is required. You can receive elective credit for MAT 172 if your major is Exercise Science: PT track.

†Recommended 200 level courses include PSY 217 (Child Psychology) or PSY 234 (Abnormal Psychology). In addition, see PT schools for recommended upper level psychology courses.

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Optometry School Requirements

The following list of pre-requirements was taken from the SUNY School of Optometry's admission website.

- BIO 166: Principles of Biology: Cells and Genes (4 credits)
- BIO 167: Principles of Biology: Organisms (4 credits)
- CHE 166: General Chemistry I Lecture (3 credits)
- CHE 167: General Chemistry I Lab (2 credits)
- CHE 168: General Chemistry II Lecture (3 credits)
- CHE 169: General Chemistry II Lab (2 credits)
- CHE 232: Organic Chemistry I Lecture (3 credits)
- CHE 233: Organic Chemistry II Lab (2 credits)
- CHE 234: Organic Chemistry II Lecture (3 credits)
- CHE 235: Organic Chemistry II Lab (2 credits)
- PHY 166: General Physics I (5 credits)
- PHY 167: General Physics II (5 credits)
- MAT 175: Calculus I (4 credits)
- MAT 132: Statistics (4 credits)
- ENG 111: English Composition I (3 credits)
- ENG 121: English Composition II (3 credits)
- PSY 166: General Psychology (3 credits)

Recommended Courses:

- BIO 181: Anatomy & Physiology I (4 credits)
- BIO 331: Experimental Microbiology (4 credits)
- BIO 400: Biological Chemistry (4 credits) or CHE 444: Biochemistry I (4 credits)

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Veterinary School Requirements

- BIO 166: Principles of Biology: Cells and Genes (4 credits)
- BIO 167: Principles of Biology: Organisms (4 credits)
- CHE 166: General Chemistry I Lecture (3 credits)
- CHE 167: General Chemistry I Lab (2 credits)
- CHE 168: General Chemistry II Lecture (3 credits)
- CHE 169: General Chemistry II Lab (2 credits)
- CHE 232: Organic Chemistry I Lecture (3 credits)
- CHE 233: Organic Chemistry II Lab (2 credits)
- CHE 234: Organic Chemistry II Lecture (3 credits)
- CHE 235: Organic Chemistry II Lab (2 credits)
- PHY 166: General Physics I (5 credits)
- PHY 167: General Physics II (5 credits)
- BIO 400: Biological Chemistry (4 credits) or
CHE 444: Biochemistry I (4 credits) [*recommended*]
- ENG 111: English Composition I (3 credits)
- ENG 121: English Composition II (3 credits)