# Required Pre-Medical Courses

<table>
<thead>
<tr>
<th>Dentistry</th>
<th>Medicine</th>
<th>Optometry</th>
<th>Pharmacy</th>
<th>Veterinary</th>
<th>or Other</th>
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## Biology (with labs)  
**1 Year**

- Chemistry 1211K is a prerequisite for Principles of Biology I
- Biology 2107K (Principles of Biology I) 4 Hours
- Biology 2108K (Principles of Biology II) 4 Hours

## Chemistry (with labs)  
**1 Year**

- Math 1113 (Pre-Calculus) as a prerequisite or corequisite is highly recommended.
- Chemistry 1211K (Principles of Chemistry I) 4 Hours
- Chemistry 1212K (Principles of Chemistry II) 4 Hours

## Organic Chemistry (with labs)  
**1 Year**

- Chemistry 1212K is a prerequisite for Organic Chemistry
- Chemistry 2400 (Organic Chemistry I) 4 Hours
- Chemistry 3410 (Organic Chemistry II) 4 Hours
- Chemistry 3100 (Organic I Lab) 2 Hours
- Chemistry 3110 (Organic II Lab) 2 Hours

## Biochemistry  
**1 Semester**

- Chemistry 3410 is a prerequisite for Biochemistry.
- Biochemistry is **HIGHLY recommended** by medical schools
- Chemistry 4600 (Biochemistry I) 5 Hours

## Physics (with labs)  
**1 Year**

- Physics 1111K (Introductory Physics I-General) 4 Hours
- Physics 1112K (Introductory Physics II-General) 4 Hours
- **OR**
- Math 2211 (Calculus I) is a prerequisite for Physics 2211K and Math 2212 (Calculus II) is a prerequisite for Physics 2212K.
- Physics 2211K (Principles of Physics I-Calculus Based) 4 Hours
- Physics 2212K (Principles of Physics II-Calculus Based) 4 Hours

Please contact your prospective schools for a full list of required courses. These are the most common requirements, but some schools might have additional requirements. Pharmacy Students, in addition to the list stated above, are required to take economics, speech and calculus. Please meet with the Pre-Medical Advisors if you have any questions.