A course of study for the Pre-professional Studies in

PRE-MEDICAL

PRE-MEDICAL IS NOT A MAJOR
Please see a counselor for specific recommendations for course work. No specific major is required; however, demonstrated ability in the sciences is of great importance. In addition, applicants are advised to take advantage of the intellectual maturation afforded by a well-rounded liberal arts education. English, the humanities, the social and behavioral sciences are considered particularly important. The following courses are recommended, but are not required: cell biology, genetics, physical chemistry, vertebrate embryology, developmental and abnormal psychology, and Spanish.

Preparation Coursework – it is important to remember that different schools may require different coursework and strongly recommend other coursework. It is up to you to find out the specific requirements for the schools that you are interested in.

The following courses are common requirements for most Medical Schools.

<table>
<thead>
<tr>
<th>RIO HONDO COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 year of General Biology</td>
</tr>
<tr>
<td>1 year of Inorganic Chemistry</td>
</tr>
<tr>
<td>1 year of Organic Chemistry</td>
</tr>
<tr>
<td>1 year of College Calculus</td>
</tr>
<tr>
<td>1 semester of Statistics</td>
</tr>
<tr>
<td>1 year of College Physics</td>
</tr>
<tr>
<td>1 year of College English</td>
</tr>
</tbody>
</table>

UC DAVIS
1 year of English
1 year of Biological Sciences with lab
1 year of General Chemistry with lab
1 year of Organic Chemistry
1 year of Physics
1 year of Mathematics (College-level Math)*
*(College-level Statistics fulfills a portion of the requirement)

UC IRVINE
2 years of Chemistry – Inorganic, Organic & Biochemistry
1 year of Physics
1 ½ years of Biology – course must include 1 upper division Biology course
1 year of college level Math – courses must include Calculus & Statistics
1 semester of English Writing/Composition

UC LOS ANGELES
1 year of College English Composition
1 year of General Biology with lab
2 year of College Chemistry – Inorganic, Quantitative Analysis and Organic Chemistry with lab
1 year of College Mathematics – Calculus and Statistics
*Spanish, Humanities & Computer Skills Highly Recommended

UC IRVINE
1 year of General Chemistry with lab
1 year of Organic Chemistry
1 year of Physics with lab
1 year of General Biology with lab, including the study of Vertebrate Zoology

UC SAN FRANCISCO
# PRE-MEDICAL

<table>
<thead>
<tr>
<th>RIO HONDO COURSES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 year of General Biology</td>
<td>BIOL 200 and 201</td>
</tr>
<tr>
<td>1 year of Inorganic Chemistry</td>
<td>CHEM 130 and CHEM 140</td>
</tr>
<tr>
<td>1 year of Organic Chemistry</td>
<td>CHEM 230 and CHEM 231</td>
</tr>
<tr>
<td>1 year of College Calculus</td>
<td>MATH 190 and 191</td>
</tr>
<tr>
<td>1 semester of Statistics</td>
<td>MATH 130</td>
</tr>
<tr>
<td>1 year of College Physics</td>
<td>PHY 211 and 213</td>
</tr>
<tr>
<td>1 year of College English</td>
<td>ENGL 101 and 201 or LIT 102</td>
</tr>
</tbody>
</table>

## UCSD
1 year of Biology (excluding botany & biochemistry)
1 year of General Chemistry (including biochemistry)
1 year of Organic Chemistry
1 year of Physics
1 year of Mathematics (only calculus, statistics, or computer science will be considered)

**UCSD does not require any laboratory coursework**

**UCSD does not require English coursework, but competence in spoken & written English is required**

## USC
1 year of General Biology with lab
1 year of General Chemistry with lab
1 semester of Organic Chemistry with lab
1 year of Physics with lab
1 semester of Biochemistry
1 semester of Molecular Biology – requirement met by following courses: Molecular Genetics, Cell & Molecular Biology, advanced Cell Biology or the equivalent

30 semester units in Social Science, Humanities and English Composition

**Recommended:** College Math or Calculus and computer literacy

*Advanced Placement (AP) coursework will NOT fulfill required course. ALL required courses must be completed for a letter grade*

English (as required for degree)

Biochemistry is strongly recommended

Introductory Statistics is recommended

---

**Subject to Change without notice**

This is not an official articulation agreement and should be used only for guidance. Students maintain responsibility for verifying course selection and admission criteria with individual programs as programs often change without notice. Please refer to catalogs for additional requirements for medical school including MCAT scores.