

# Pre-Dental Student

## *Course Reference*

### Required Pre-Dental Course Work

All prerequisite courses must be taken for a grade (not Pass/No Pass). The courses required for admission to most dental schools are listed below. **Consult the web sites or catalogs of the schools to which you plan to apply to determine each school's specific requirements.**

### *Biology*

Course Description		Hours	Semester
BIO 207/277	Introduction to Molecular and Cellular Biology	4 (w/lab)	
BIO 208/278	Introduction to Evolution and Ecology	4 (w/lab)	
BIO 305/365	Human Anatomy & Physiology I	4 (w/lab)	
BIO 306/366	Human Anatomy & Physiology II	4 (w/lab)	

Additional Recommended Courses*:			
Course Description		Hours	Semester
BIO 330	Genetics	3	
BIO 354	Cell & Molecular Biology	3	
BIO 301	Microbiology and Lab	4	
BIO 428	Neurobiology	3	
BIO 400	Immunology	3	

*\*Recommended courses are based on local program recommendations*

### *Chemistry*

Course Description		Hours	Semester
CHM 207/277	General Chemistry I and Lab	4 (w/ lab)	
CHM 208/278	General Chemistry II and Lab	4 (w/ lab)	
CHM 325/375	Organic Chemistry I and Lab	4 (w/ lab)	
CHM 326/376	Organic Chemistry II and Lab	4 (w/ lab)	
CHM 453	Biochemistry I	3	
CHM 454	Biochemistry II	3	

**Note:** *Biochemistry labs are highly recommended and required by some programs*

### *Physics*

Course Description		Hours	Semester
PHY 201/271	College Physics and Lab (Fall Semester Only)	4 (w/ lab)	
PHY 202/272	College Physics and Lab (Spring Semester Only)	4 (w/ lab)	
<b>OR</b>			
PHY 204/274	General Physics and Lab	4 (w/ labs)	
PHY 205/275	General Physics and Lab	4 (w/ labs)	

**Note:** *College PHY is recommended unless General PHY is required for your major*

### **English**

Course Description		Hours	Semester
ENG 112	Thinking Through Literature	3	
ENG 107 or 311	College Writing or Advanced Writing	3	

**Note:** Some dental schools require one year English, including at least one course in composition.

### **Other Recommended Courses**

Course Description		Hours	Semester
FA 224	Sculpture I	2	
PSY 101	Psychological Science	3	
MTH 161	Elementary Statistics	3	
MTH 201	Calculus I (BIO Focused Sections Spring Only)	4	

**Note:** Some dental schools list Math as a requirement for admission. Quantitative reasoning is included on the Dental Admission Test (DAT).

### **Social Sciences and Humanities**

Many dental schools strongly encourage students to take extra courses in Speech, Social Sciences, Humanities, and Business. Again, consult the web sites or catalogs of the schools to which you plan to apply to determine each school's specific requirements.

#### **Please Note:**

Some dental programs will not accept science courses taken at a community college or through AP/IB credit for pre-requisite requirements

#### **Additional Information**

Profiles of individual dental schools can be found in *the ADEA Official Guide to Dental School* published annually by the American Dental Education Association. In addition, ASDAA & ADEA both have numerous internet resources available on their websites, including information regarding the Dental Admissions Test (DAT).

In selecting schools to which to apply, pay particular attention to non-resident acceptance rates, total number of applicants, average GPA/DAT of admitted applicants, additional pre-dental requirements, special programs or curricula, tuition cost, and location.

**Pre-Health Professions Advising Office**  
**Email: [healthprofessions@up.edu](mailto:healthprofessions@up.edu)**

