



PRE-DENTAL EMPHASIS

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The CSU-Pueblo Pre-Dental concentration is to prepare students for successful entry into dental school. CSU-Pueblo provides a program of course work and career counseling for Pre-Dental students.

Pre-professional education for dentistry is minimally a three-year program. Most of the students being admitted to dental school, however, have completed a bachelor's degree. It is advisable to complete the requirements for admission to dental school in conjunction with fulfilling the requirements for a bachelor's degree. While dental schools accept a wide range of majors today, the degree programs in Biology and Chemistry offer a competitive advantage. See the catalog for courses in majors other than Biology.

Minimum Required Pre-Dental Courses:

Biology Courses	Course Name	Cr.	√
BIOL 181/182/L	College Biology I & II with Labs	8	
BIOL 301/L	General Microbiology with Lab	5	
Chemistry Courses	Course Name	Cr.	
CHEM 121/122/L	General Chemistry I & II with Labs	10	
CHEM 301/302/L	Organic Chemistry I & II with Labs	10	
CHEM 411	Biochemistry I	3	
Physics Courses	Course Name	Cr.	
PHYS 201/2021/L OR PHYS 221/222/L	Principles of Physics I & II with Labs OR General Physics I & II with Labs	8-10	
Other Courses	Course Name	Cr.	
MATH 221	Applied Calculus	4	
ENG 101/102	English Composition I & II	6	
COMR 103	Speech	3	

Information on the Associated American Dental Schools Application Service (AADSAS) applications and for dental schools can be obtained at: <https://www.adea.org/ApplicationServices/>

Information on a career in dentistry is available from the American Dental Association (ADA) at: <https://www.ada.org/en/education-careers>

Before your application is considered to be complete and is processed by a dental school admissions committee, you must sit for the Dental Aptitude Test (DAT). This is a computerized test, taken through Prometric or other testing centers. <https://www.ada.org/en/education-careers/admission-tests-and-dental-exams>

It is extremely important to work closely with the pre-dental advisor immediately after the decision is made to apply to Dental School. The Medical Sciences Society, a student-run club at CSU, provides opportunities for pre-health students to be directly involved with local dentists and programs through experimental learning activities. It is a great idea to be an active member of this student organization. This club has its own room on the second floor of the Life Sciences building (LS 239) and has a local chapter of the Alpha Epsilon Delta National Honor Society. (<https://aednational.com/>)

B.S. in Biology with Pre-Dental emphasis

Courses	Course Name	Credits	Semester
Biology Core Courses		30	
BIOL 171	First Year Seminar	1	
BIOL 181/L	College Biology I-Diversity	4	
BIOL 182/L	College Biology II-Cellular	4	
BIOL 201/L OR BIOL 202/L	Botany/Lab (S) Zoology/Lab (F)	4	
BIOL 301/L	General Microbiology/Lab	5	
BIOL 412/L OR BIOL 413/L OR BIOL 414/L	Cellular Biology/Lab (S) Plant Physiology/ Lab (SO) Vertebrate Physiology/Lab (F)	4	
BIOL 350	Mendelian and Population Genetics	2	
BIOL 351	Molecular Biology and Genetics	2	
BIOL 352	Evolutionary Biology & Ecology	3	
BIOL 493	Senior Seminar (upon completion of core)	1	
CHEM 411	Biochemistry I	3	
Biology Electives	Advisor Approved Upper Division See Electives* List	12	
NOTE: The following courses may NOT be used as electives in the Biology major: <i>BIOL 100/L, 112, 121, 121L, 206/L, 223/L, 224/L, 291, 294, 394, 491, 494, 495, and 498.</i>			
Total Biology Credits		45	
Science and Math Support Courses		Credits	Semester
CHEM 121/L	General Chemistry I/Lab	5	
CHEM 122/L	General Chemistry II/Lab	5	
CHEM 301/L	Organic Chemistry I/Lab	5	
CHEM 302/L	Organic Chemistry II/Lab	5	
PHYS 201/L	Principles of Physics I/Lab	4	
PHYS 202/L	Principles of Physics II/Lab	4	
MATH 221	Applied Calculus	4	
MATH 156	Intro to Statistics	3	
Total support Credits		35	
General Education Courses		Credits	Semester
ENG 101 & 102	English Composition I & II	6	
	Humanities	6	
COMR 103	Speaking and Listening	3	
	Social Sciences	6	
	History	3	
General Electives		16	
TOTAL CREDITS for MAJOR		120	