



PRE-PHYSICAL THERAPY CONCENTRATION

Biology Department Office, Life Sciences 210
2200 Bonforte Boulevard, Pueblo, CO 81001-4901

Phone: 719-549-2743 Fax: 719-549-2993
E-Mail: biology@csupueblo.edu

Advisors:

Dr. Jeff Smith Office: LS 248 Phone: 719-549-2420 E-Mail: jeff.smith@csupueblo.edu	Dr. Annette Gabaldon Office: LS 250 Phone: 719-549-2213 E-Mail: annette.gabaldon@csupueblo.edu
---	---

There are two professional physical therapy DPT programs in Colorado, both are in Denver:

University of Colorado Anschutz Medical Campus
<https://medschool.cuanschutz.edu/physical-therapy-program>

Regis University
<https://www.regis.edu/academics/majors-and-programs/graduate/physical-therapy-dpt>

Both programs require applicants to have a bachelor's degree (not necessarily in biology).

Most PT professional schools nationally are masters or doctorate degree level and require a bachelor's degree for applicants. Only Master's and DPT programs receive accreditation from the Commission on Accreditation in Physical Therapy Education (CAPTE).

<https://www.capteonline.org/programs> The requirements below are directed to the PT schools in Colorado: If you plan to apply elsewhere, you should check the school's specific requirements.

For students starting out, biology major is a good choice since it satisfies the requirements for many health careers. For information about PT schools in the U.S., including admission requirements, see the American Physical Therapy Association website (www.apta.org).

A minimum of 45 hours of volunteer or paid clinical experience in three physical therapy settings (acute in-patient, out-patient, long term care) including some with hands-on work is required by CU. Regis doesn't specify a set number of hours but does stress that experience is very important. Most applicants have a large number of field experience hours.

A satisfactory score on the GRE is required. Students must maintain a B average in all course work. You also must have a very high-grade average to get into PT school. Most of their acceptances are granted to applicants with a 3.5 GPA or above. The interview is something you need to prepare for. Your writing skills and verbal skills, especially if you are granted an interview, are very important! See the web sites from each school for specifics on application and deadlines!

Application to PT schools is done through the central application service PTCAS:
<http://www.ptcas.org/home.aspx>



Biology BS with Pre-Physical Therapy concentration

Biology Courses	Course Name	Credits (45)	Semester
BIOL 171	First Year Seminar	1	
BIOL 181/L	College Biology I-Organismal/Lab	4	
BIOL 182/L	College Biology II-Cellular/Lab	4	
BIOL 201/L or 202/L	Botany or Zoology/Lab	4	
BIOL 301/L	General Microbiology/Lab	5	
BIOL 350	Mendelian and Population Genetics	2	
BIOL 351	Molecular Biology and Genetics	2	
BIOL 352	Evolutionary Biology and Ecology	3	
BIOL 493	Senior Seminar	1	
BIOL 321/L	Comparative Vertebrate Anatomy and Lab	5	
BIOL 414/L	Vertebrate Physiology and Lab *	4	
Biology Upper division electives	See Electives List (Cell Biology and Biochemistry recommended)	10	
Science & Math support courses		(35)	
CHEM121/122/L	General Chemistry I & II with Labs	10	
CHEM 301/302/L	Organic Chemistry I & II with Labs	10	
PHYS 201/202/L	Principles of Physics I & II with Labs	8	
MATH 221	Applied Calculus	4	
MATH 156	Intro to Statistics	3	
Other Courses		(40)	
PSYCH 100	General Psychology	3	
PSYCH 151	Human Development	3	
PSYCH 362	Abnormal Psychology	3	
ENG 101 & 102	English Composition I & II	6	
COMR 103	Speaking and Listening	3	
General Education	History (3), Humanities (6)	9	
EPER 344	Exercise Physiology	3	
Electives	(PT Recommended courses include: EPER 242 and EPER 364)	10	
Total credits		120	



Requirements for Pre-Physical Therapy Preparation (Declared major other than Biology)

Be sure to check individual PT program requirements, as they vary.

Required Course	Course Name	Cr.	√
BIOL 181/L	College Biology I-Organismal/Lab	4	
BIOL 182/L	College Biology II-Cellular/Lab	4	
BIOL 223/L or 321/L	Human Anatomy and Physiology I/Lab OR Comparative Vertebrate Physiology/Lab	4-5	
BIOL 224/L or 414/L	Human Anatomy and Physiology II/Lab OR Vertebrate Physiology/Lab*	4	
BIOL 300/L* or CHEM 300/L*	Upper Division Science Courses (Cell Biology or Organic/Biochemistry recommended)	3	
CHEM 121/L	General Chemistry I/Lab	5	
CHEM 122/L	General Chemistry II/Lab	5	
PHYS 201/L	Principles of Physics I/Lab	4	
PHYS 202/L	Principles of Physics II/Lab	4	
MATH 221	Calculus	4	
MATH 156	Intro to Statistics	3	
PSYCH 100	General Psychology	3	
PSYCH 151	Human Development	3	
PSYCH 362	Abnormal Psychology	3	
ENG 101	English Composition I	3	
ENG 102	English Composition II	3	
EPER 344	Exercise Physiology	3	
	TOTAL	62-64	
Recommended courses:			
EXHP 242	Motor Learning	3	
EXHP 364	Kinesiology	3	

*Regis requires Human Anatomy and Physiology.