

At A Glance: Anschutz Medical Campus



Students*

Graduate School:

†Students below are shared with the Graduate School

School of Medicine: 1,467

Medical Students Subtotal: 607

DPT Students Subtotal: 134

†Graduate Students Subtotal: 474

MPAS Physician Asst Students Subtotal: 118

†Nondegree Students Subtotal: 134

School of Dental Medicine: 233

Dental Students Subtotal: 197

Undergraduate Dental Hygiene Students Subtotal: 36

College of Nursing: 671

Nursing Doctorate Students Subtotal: 2

DNP Students Subtotal: 24

†MS, PhD Graduate Students Subtotal: 251

Undergraduate Students Subtotal: 393

Nondegree Students Subtotal: 1

School of Pharmacy: 583

PharmD Students Subtotal: 534

†Graduate Student Subtotal: 48

†Nondegree Students Subtotal: 1

Health Sciences Center Total: 2,954

Faculty*

HSC Total: 1,783

Dental Medicine: 57

Medicine: 1,561

Nursing: 65

Pharmacy: 55

Degree Programs

GRADUATE SCHOOL

§Programs below are shared with the Graduate School

SCHOOL OF DENTAL MEDICINE

Dental Surgery: DDS

SCHOOL OF MEDICINE

Biochemistry: PhD[§]

Biophysics and Genetics: MS, PhD[§]

Cell and Developmental Biology: PhD[§]

Clinical Science: MSCS, PhD[§]

Experimental Pathology: PhD[§]

Child Health Associate/Physician Assistant: MPAS

Medical Science: BS

Medicine: MD

Microbiology and Immunology: PhD[§]

Neuroscience: PhD[§]

Pharmacology: PhD[§]

Physical Therapy: DPT

Physiology: PhD[§]

COLLEGE OF NURSING

Nursing: BS, MS[§], PhD[§], DNP

SCHOOL OF PHARMACY

Pharmaceutical Sciences: PhD[§]

Pharmacy: PharmD

Toxicology: PhD[§]

COLORADO SCHOOL OF PUBLIC HEALTH

Analytic Health Sciences: PhD[§]

Biostatistics: MS[§]

Public Health: MPH

Student Organizations

Academy of Students of Pharmacy/ASP-APHA

All aBout Couples—ABC

Alternatives in Science

American Association of Dental Education

American Student Dental Association

American Medical Student Association/AMSA

Christian Health Fellowship

Colorado Society for Health-Systems Pharmacists

Colorado Student Nurses Association

Complementary, Alternative, and Integrative

Medicine Student Interest Group (CAIMSIG)

CU Student Nurses Association (CUSNA)

Cycling Team

Dental Student Council

Dental Student Fraternities: Alpha Omega,

Delta Sigma Delta

Emergency Medicine Interest Group

Graduate Student Council

Health Professionals for Social Responsibility

Medical Student Council

Melomania—HSC Orchestra

National Community Pharmacists Association

Nutrition and Preventive Health Student

Interest Group

Oyate—Diversity Student Council

Positive Approaches to Wellness for Students

(PAWS)—use of animals/pets in therapy

Pharmacists for Christ

Pharmacy Student Council

Phi Delta Chi—School of Pharmacy

Phi Delta Epsilon—School of Medicine

Phi Lambda Sigma/Alpha Xi Chapter—

Pharmacy

Phi Rho Sigma

Prism—GLBTI and Supporters

Reproductive Health Interest Group

Rho Chi—Pharmacy Honor Society

Rural Health Network

Silver Society—Child Health Associate/

Physician Assistant Student Society

Student Academy of the American Academy of Physician Assistants (SAAAPA)
Student American Dental Hygienists' Association
Student Interest Group in Neurology
Student National Medical Association
Student National Pharmaceutical Association
Student Senate—HSC Student Governance
Students for Global Health

Bragging Rights

U.S. News & World Report, America's Best Graduate Schools: See At A Glance: UC Denver on page 4.

One of the country's most selective schools of dental medicine.

Colorado's only School of Medicine.

The College of Nursing instituted the first nurse practitioner and school nurse programs in the U.S.

College of Nursing had the first doctor of nursing practice (DNP) program in the Rocky Mountain region, and one of the first 10 DNP programs in the U.S.

Medical students collectively donate 22,000 hours of community service each year.

The Child Health Associate/Physician Assistant Program is the only pediatric physician assistant program in the country.

The College of Nursing has a 30-year history of distance education—with more than 50% of courses available online today.

Sidney Altman, PhD, 1989 Nobel Prize Winner in chemistry is an alumnus of the Graduate School.

College of Nursing PhD program initiated in 1978 with over 200 graduates worldwide in nursing research and leadership positions.

National Institutes of Health (NIH) Rankings
In 2005, the School of Pharmacy ranked first in percentage of PharmD faculty with NIH funding; second in the percentage of PhD faculty with NIH funding; third in the nation for individual awards per PhD faculty member; and ninth in the nation for total NIH funding.

Together with its five affiliated hospital partners, the School of Medicine ranks fourth of 75 public medical schools in the country for NIH research expenditures (15th of 125 among all U.S. medical schools).

Physical Therapy Program has provided 60 consecutive years of accredited physical therapy education.

*Fall 2007 census enrollment data ‡Fiscal Year 2006-2007 data

Health Professions

Undergraduate Health Careers Advisors

(Downtown Campus)

Charles Ferguson

303-556-4350

or

Kent Nofsinger

303-556-6218

or

Denise Leberer

303-556-2868

Not sure what health specialty to enter?

Visit the Health Careers

Web Site for information,

www.cudenver.edu/healthcareers/

Graduate Advisors

See contact information

under each school in

this chapter.

Unlike most chapters in this catalog that focus on all programs for a particular school, this chapter provides information about programs within the schools and colleges that prepare students for a career in the health professions. On the Downtown Campus, two colleges offer health-related undergraduate programs. Students who complete their prerequisites or undergraduate degrees on this campus may choose to apply to graduate and health professional programs on the Anschutz Medical Campus. Three schools on the Downtown Campus offer health-related graduate programs. Downtown Campus students may choose to stay and complete a master's or PhD degree on this campus or apply to programs on the Anschutz Medical Campus.

The new state-of-the-art clinical and research facilities at the Health Sciences Center on the Anschutz Medical Campus offer students unparalleled training in the health professions. Admission to these programs is very selective, and admission to the Downtown Campus does not assure admission to Health Sciences Center programs. All programs on the Anschutz Medical Campus require incoming students to have either a bachelor's degree or minimum of 60 semester hours of undergraduate work completed before applying.

UNDERGRADUATE PROGRAMS ON THE DOWNTOWN CAMPUS

Two colleges on UC Denver's Downtown Campus offer health-related programs for undergraduate students seeking careers in the health sciences. *Admission to the Downtown Campus, however, does not assure admission to any professional health career program.* Admission to those programs is a separate, competitive process open to qualified applicants from any accredited college or university.

College of Liberal Arts and Sciences

DEPARTMENT OF BIOLOGY

Contact: Lisa Johansen

Telephone: 303-556-6250

E-mail: Lisa.Johansen@cudenver.edu

Web site: www.cudenver.edu/biology/

To serve the needs of students who wish to obtain recognition for the acquisition of specialized skills in biology and to better prepare students for graduate school, health careers and jobs in industry, the Department of Biology offers a certificate program in biotechnology.

HEALTH CAREERS

Advisor: Charles Ferguson

Telephone: 303-556-4350

Advisor: Denise Leberer

Telephone: 303-556-2868

Advisor: Kent Nofsinger

Telephone: 303-556-6218

Web site: www.cudenver.edu/healthcareers

Health career advisors on the Downtown Campus assist in planning a course of study designed to improve your chances of success in the health career of your choice, including: dentistry and dental hygiene, medicine, medical technology, nursing, optometry, osteopathy, pharmacy, physical therapy, physician assistant, podiatry or veterinary medicine.

A comprehensive list of health career options and additional information to help you mold your academic experience to your specific goals is available on the health careers Web site.

HEALTH AND BEHAVIORAL SCIENCES

Contact for Minor: Sharry Erzinger

Telephone: 303-556-6793

Web site: www.cudenver.edu/hbsc/

The health and behavioral sciences program has developed a minor in community health science that is designed to provide undergraduates with the basic intellectual and methodological tools needed to understand the societal contexts of health, health care and public health.

Graduates with a minor in community health science will be successful in their pursuit of graduate degrees in a broad range of fields, including the biomedical sciences, social and behavioral sciences, public health, law, medicine, dentistry, pharmacy, business administration and health services research. The program is especially appropriate for students intending to pursue careers in public health, as well as the primary care specialties in medicine, nursing, or health policy and administration.

A major is not currently available, but students may complete an individually structured major (ISM) that combines course work in health and behavioral science with that of related fields such as anthropology, biology and psychology. For details see the “Individually Structured Major” section in the College of Liberal Arts and Sciences chapter of the catalog.

College of Engineering and Applied Science

Contact: Engineering Student Services (advising)

Telephone: 303-556-4768

Web site: www.cudenver.edu/engineer

The desirability of obtaining an engineering education prior to undertaking a study of medicine is increasing continually as medicine itself is evolving. A great deal of new equipment, most of it electronic, is being developed to assist the medical practitioner in treatment of patients. Bioengineering, engineering systems analysis, probability and communication theory are highly applicable to medical problems. The College of Engineering and Applied Science offers students a premedicine option.

GRADUATE PROGRAMS ON THE DOWNTOWN CAMPUS

Business School

Director: Errol L. Biggs

Telephone: 303-556-5845

E-mail: Errol.Biggs@cudenver.edu

Web site: www.cudenver.edu/Academics/Colleges/Business/Programs

The Business School offers three degree options for those interested in health administration—MBA, MS and an executive MBA. These three degree options are outlined in the Business School chapter of this catalog.

College of Engineering and Applied Science

Contact: Lynn E. Johnson

Telephone: 303-556-2372

E-mail: MEngGIS@cudenver.edu

There are numerous ways in which geographic information systems (GIS) are used throughout health care and public health, including environmental health and epidemiology, disease surveillance and health services research. The College of Engineering and Applied Science offers a master of engineering degree with a GIS option, which emphasizes

quantitative methods in the development and application of GIS technologies to a spectrum of discipline-specific settings having significant spatial dimensions.

College of Liberal Arts and Sciences

DEPARTMENT OF ANTHROPOLOGY

Graduate Director: John Brett

Telephone: 303-556-8497

Fax: 303-556-8501

Web site: www.cudenver.edu/anthropology

Students may earn an MA with a research concentration in medical anthropology or pursue an integrated MA/PhD in health and behavioral sciences. Details of these programs are included in the Department of Anthropology section in the College of Liberal Arts and Sciences chapter of this catalog.

HEALTH AND BEHAVIORAL SCIENCES

Program Director: Richard Miech

Telephone: 303-556-4300

E-mail: Richard.Miech@cudenver.edu

Web site: www.cudenver.edu/hbsc/

The interdisciplinary PhD program in health and behavioral sciences provides an overarching framework integrating social and behavioral science perspectives on health and health care, while allowing the student to select and fully develop a particular research interest and professional career. This program has become a leader regionally in the application of GIS to health-related research.

Depending upon a student's chosen area of concentration, the successful graduate will gain expert knowledge of:

- research design and methods
- the determinants of health and disease
- the structure and organization of health care systems
- behavioral choices and how to use them to enhance wellness
- the contribution of individual, social and cultural factors to health behavior
- how guided change in health care systems may enhance quality, efficacy and access

The significance of these skills in addressing our current health care crisis will insure that graduates will be in demand in a number of employment sectors, ranging from community and public health organizations to nonprofit research organizations and private health care settings.

PROGRAMS ON THE ANSCHUTZ MEDICAL CAMPUS

Information about Health Sciences Center programs in this chapter is for reference only. Contact individual schools and program directors for details.

Graduate School

Contact: Office of the Dean

Telephone: 303-724-2915

Web site: www.uchsc.edu/gs

Degree Programs: *Master of science programs in: biostatistics; biophysics and genetics—genetic counseling; nursing—nurse midwifery, nurse practitioner (women's health care, family, adult, geriatric and pediatric), adult clinical nurse specialist, health care informatics, nursing leadership; pediatric special needs*
Master of science in clinical science

Health Sciences Center Programs						
	Degree	Program length in years	Entering class	College prerequisites	Entrance exam	Application deadline
Physician Assistant Studies	Master of Physician Assistant Studies (MPAS)	3	40	Bachelor's degree and prerequisite courses	GRE	September 1 See Web site for details
Physical Therapy	Doctor of Physical Therapy (DPT)	3	42-50	Bachelor's degree, 45 hours clinical observation, prerequisite courses	GRE	December 1 See Web site for details
Dental Medicine	Doctor of Dental Surgery (DDS)	4	50	90 semester hours or 135 quarter hours required course work	DAT	January 1
Pharmacy	Doctor of Pharmacy (PharmD)	4	150	90 semester hours and prerequisite courses	PCAT	December 1
Graduate School	Doctor of Philosophy (PhD) and Master of Science (MS)	PhD=4 to 7 MS=2 to 5	Varies	Bachelor's degree	GRE	Varies
Public Health	Master of Public Health (MPH) Master of Science (MS) Doctor of Philosophy (PhD)	2 to 3 2 to 5 4 to 7	50 (MPH) Varies (MS, PhD)	Bachelor of arts or science or 90 semester hours (30 upper-division level), including required courses	GRE	February 1
Nursing grad	Doctor of Nursing Practice (DNP) Doctor of Philosophy (PhD)	4 5	38 15	59 semester hours or 90 quarter hours required courses 72 semester hours required	NA GRE	April 1/Sept. 1 December 1
Nursing undergrad	Bachelor of Science (BS)	5 semesters (include summer)	220	60 semester hours and prerequisite courses	NA	Priority: Aug. 31 Final: Nov. 15
Medicine	Doctor of Medicine (MD)	4	156	Bachelor's degree or at least 120 semester hours with major leading to degree and required courses	MCAT	November 1

Doctor of philosophy in: analytic health sciences—bioinformatics, biostatistics, epidemiology, health sciences research; biochemistry—biochemistry and molecular genetics, biomolecular structure; biophysics and genetics—human medical genetics, molecular biology; cell and developmental biology—reproductive sciences; clinical sciences; experimental pathology—cancer biology; microbiology and immunology; neuroscience; nursing; pharmaceutical sciences; pharmacology; physiology—physiology and biophysics; toxicology

At the University of Colorado Health Sciences Center Graduate School, students learn to push the frontiers of human health and disease in more than a dozen basic science, clinical and nursing disciplines. In conjunction with the CU School of Medicine, the Graduate School offers a joint MD/PhD in the medical scientist training program which develops investigators with a broadly based knowledge of both basic and clinical biomedical sciences. The school's personal mentor-student emphasis provides a distinctive learning experience.

School of Dental Medicine

Contact: Office of Admissions and Student Affairs

Telephone: 303-724-7122

Web site: www.uchsc.edu/sod

Degree Programs: *doctor of dental surgery, international student program, orthodontics, periodontics and general practice residency programs*

In this nationally recognized, award-winning program, students graduate with the ability to offer a broad range of dental services. It is

the most selective dental school in the United States—with more than 1,400 applicants annually for only 50 positions in the freshman class. In a program unique in the country, the 192 dental students, as a graduation requirement, also provide an academic year's dental clinical care to underserved populations throughout Colorado. Home to the region's only university-based dental implant center, the school pioneers research in oral cancer, salivary gland disease, neurobiology and pain control.

School of Medicine

Contact: Office of Admissions

Telephone: 303-724-8025

Web site: www.uchsc.edu/som/admissions

Degree Program: *Doctor of medicine*

The University of Colorado School of Medicine is nationally and internationally respected for its education, research, patient care and community service programs. Faculty members teach and care for patients at the University of Colorado Hospital, The Children's Hospital and other affiliated hospitals, working side by side with nearly 1,000 graduate doctors who are in training in medical specialties and generalist care at the university. In addition to providing exceptional patient care and education, the medical school's greatest achievement has been the ability to attract gifted faculty and students who bring national renown to the school. The school's physicians and research scientists have pioneered breakthrough medical advances that have become national and world models.

CHILD HEALTH ASSOCIATE/PHYSICIAN ASSISTANT

Contact: Office of Admissions

Telephone: 303-724-7963

E-mail: chapa-info@uchsc.edu

Web site: www.uchsc.edu/chapa

Degree Program: MPAS, *Child health associate/physician assistant program*

The child health associate/physician assistant (CHA/PA) is a primary care PA with specialized training in the care of infants, children and adolescents as well as training in the care of adult patients. Program graduates are prepared to provide comprehensive medical care to patients of all ages and practice under state and national guidelines established for all PAs. Graduates are employed in many settings including managed care organizations, community health centers, physician's offices, public health agencies, hospitals, school based adolescent clinics, emergency departments and rural and inner city health care delivery sites.

PHYSICAL THERAPY

Contact: Physical Therapy Program

Telephone: 303-724-9144

E-Mail: betri.krapfl@uchsc.edu

Web site: www.uchsc.edu/pr

Degree Program: *Doctor of physical therapy (DPT)*

The University of Colorado Denver physical therapy program offers a three year, post-baccalaureate professional education program of didactic learning and extensive clinical experiences culminating in a doctor of physical therapy degree. Graduates are prepared to excel in the physical therapy profession and adapt to the ever-evolving health care environment. As part of the School of Medicine, our entry-level program has been continuously accredited for 60 years. Foundational elements of our curriculum include movement science, evidence-based practice, patient-centered care and the delivery of interprofessional health care services as doctors of physical therapy.

GRADUATE MEDICAL EDUCATION (RESIDENCY AND FELLOWSHIP PROGRAMS)

Telephone: 303-315-7424

Web site: www.uchsc.edu/gme

The University of Colorado School of Medicine and affiliated hospitals provide graduate medical education (training of residents and fellows) in more than 60 specialties and subspecialties. The Graduate Medical Education Manual provides details about these opportunities on the Anschutz Medical Campus.

CONTINUING MEDICAL EDUCATION

Web site: www.uchsc.edu/cme/

The School of Medicine provides continuing education opportunities for physicians and other health care professionals worldwide. The mission is to enhance the knowledge, skills and performance of physicians and other health care professionals, and in the process, to improve the health care of the populations they serve.

College of Nursing

Contact: Office of Student Affairs and Diversity

Telephone: 303-724-1812

Web site: <http://hschealth.uchsc.edu/son/>

Degree Programs: *BS in nursing, RN-BS in nursing, MS in nursing, doctor of nursing practice (DNP), PhD in nursing*

Ranked 15th in the nation in overall excellence, the pace-setting University of Colorado College of Nursing enrolls nearly 700 under-

graduate and graduate students. The philosophy that drives the school—that knowledge of human responses and natural healing processes balances technological advances and biomedical treatments and cures—shapes its programs. In 1986, the College of Nursing established the Center for Human Caring, the nation's first formal program to undertake a systematic and comprehensive study of the art and science of caring medical treatment.

School of Pharmacy

Contact: Office of Student Services

Director: Beverly Brunson

PharmD Telephone: 303-724-2882

PhD Telephone: 303-315-0565

Fax: 303-724-7330

Web site: www.uchsc.edu/sop

Degree Programs: *Doctor of pharmacy (PharmD), PhD in toxicology, PhD in pharmaceutical sciences*

As drug products become more potent, more complex and more numerous, the need for pharmacists to assume a more active role in consultation and patient counseling has increased remarkably. The University of Colorado School of Pharmacy is one of the nation's top-ranked pharmacy schools and is committed to pharmaceutical education, research and patient care. The school's more than 500 undergraduate and graduate students learn about the chemical and physical properties of medicinal agents, the biology of disease and the actions of drugs on the human body, while pursuing either a doctor of pharmacy or PhD degree. The school also provides continuing education programs to pharmacists and other health practitioners throughout the state.

Colorado School of Public Health

Contact: Colorado School of Public Health

Telephone: 303-315-0900

Web site: www.coloradosph.org

Degree Programs: *Master of public health (MPH) professional degree; master of science (MS) in biostatistics; doctor of philosophy (PhD) in analytical health sciences—bioinformatics, biostatistics, epidemiology, health services research*

The Colorado School of Public Health is the first and only school of public health in the Rocky Mountain region. Collaboratively formed by the University of Colorado Denver, Colorado State University and the University of Northern Colorado, the school supports students, practitioners and communities, with access to educational programs, innovative research and community services.

The new school offers professional, graduate, residency and certificate programs. Each program provides the training that students need to succeed in general and specialized public health careers. Programs of study focus on a variety of professional interests including: epidemiological and health services research; biostatistics and medical informatics; community needs assessment; environmental and occupational health; health policy; health promotion; and administration of public health programs. Students entering the public health programs have access to the collective resources and expertise offered by the collaborating universities and multiple community and government partnerships.