

Challenging Courses

Denver Transfer Initiative

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The Denver Transfer Initiative (DTI) is a cooperative project between the Community College of Denver (CCD) and the University of Colorado Denver (UCD) aimed at increasing the graduation rate and completion of Bachelor degrees for traditionally underserved populations. As DTI students work their way through CCD to UCD, they will receive continuous assistance in the form of: support, guidance and advocacy; financial aid and scholarship application assistance; two-year to four-year transfer degree planning; career assessment, exploration, and counseling; peer mentoring and tutoring services; connection to campus and community resources; attendance to informational workshops; and the opportunity to attend student events and multicultural activities to name a few.

DTI is a Title V grant project funded by the Department of Education's, "Developing Hispanic-Serving Institutions Program" which helps eligible institutions of higher education (IHEs) enhance and expand their capacity to serve Hispanic and low-income students by providing funds to improve and strengthen the academic quality, institutional stability, management, and fiscal capabilities of eligible institutions

(<http://www.ed.gov/programs/ideshsi/index.html>)

CU-Denver Scholars Program

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The University of Colorado at Denver (UCD), Downtown Denver Campus (DDC) Scholars Program is an early college enrollment program for college bound, high-achieving students in their senior year of high school. This program enables students to begin their college studies by enrolling in one course on the Downtown Denver Campus during the fall/spring semesters of their senior year. Credit earned in this course can be applied towards a bachelor's degree at UCDHSC, DDC or another higher education institution of the student's choice. Prior to and during their fall enrollment, Scholars and their parents must attend **an orientation, admissions and financial aid workshops**, and a series of **seminars** intended to have students acclimate to the university thus preparing them for full-time college study.

To participate students are required to meet the following admissions criteria; a minimum cumulative G.P.A. of 3.0 at the time of application, completion of at least two years of mathematics (two years of algebra or one year of algebra and one year of geometry) with an average grade of B or better, completion of at least two years of science (including one year of laboratory science) with an average grade of B or better, completion of two years of English (one year must be composition), with an average grade of B or better, and willingness to participate in all of the Program's orientations and meetings prior to and during their enrollment.

CU Succeed Silver and Early College Scholars Programs

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Office of Academic Outreach Programs

These programs offer university courses in six Denver Public High schools (DPS), which enable juniors and seniors to earn high school *and* college credit. Courses are taught by CU Denver and Health Sciences part-time instructors. The goals of this program are to enhance the schools' curricula, enable students to get a head start in college, to increase the college attendance rate of students with academic potential who are at risk of not attending college, and to provide students with the knowledge, skills, and information that will help ease their transition from high school to college and help them be successful in their college studies. The Early College Scholars Program targets primarily non-college bound students.

GEMS (Graduate Experiences for Multicultural Students)

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<http://www.uchsc.edu/gems/>

GEMS introduces undergraduate students from diverse and traditionally under-represented groups to the biomedical research career opportunities offered at the graduate level of a major health sciences center. Students enroll in a ten-week summer research internship course. The course is conducted by distinguished science faculty and consists of lectures, demonstrations, and laboratory research assignments. Participating basic science programs at UCDHSC include biochemistry and molecular genetics, cell biology, experimental pathology, human medical genetics, immunology, microbiology, molecular biology, neuroscience, pharmacology, and physiology. The director and sub-directors of this program are under-represented minorities and are therefore good role models for the participating students. Funded by: NIH/NHLBI

Health Career Pre-Collegiate Program

School of Medicine & HSC Office of Diversity – College of Liberal Arts and Sciences

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This is an academic enhancement program. The program is designed to motivate first-generation high school students to successfully complete a college preparatory high school curriculum and matriculate to the post-secondary institution of their choice with the necessary academic skills to succeed and graduate from that institution.

The primary goal of the Health Careers Pre-Collegiate Program is to adequately prepare 80 potential first-generation college students for a successful high school career and eventually a successful professional career by exposing them to specific areas of interest in the healthcare field, complemented with the essential academic advising of high school course selections (in cooperation with their parents and guidance counselors). In addition, during the academic year the students are offered Saturday Academies in Basic Study Skills, Academic Skills Enhancement, Interpersonal Skills Development, and Health Career options. Parents of participating students are also offered workshops during Saturday Academy sessions which include Effective Parenting Strategies, as well as strategies on how to prepare financially for their student's college education.

Students also participate in a summer program. Sophomores attend a two-week summer program and juniors attend a five-week summer program where they are exposed to the rigors of college life. Application necessary for program.

Partnership with the DSST (DPS Denver School of Science and Technology)

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The Graduate School recruits Ph.D. graduate students to serve as biology tutors for DSST, a DPS charter school located in the Stapleton neighborhood of northeast Denver. This is our first year to take part in providing tutors, as this is the first year that biology has been part of DSST's curriculum.

Professional Learning Access in Science and Mathematics through Internet Delivery (PLASMID)

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This grant will utilize the coursework of the Rocky Mountain Middle School Math and Science Partnership and the online infrastructure of Colorado Online Learning to deliver a high quality middle school math and/or science certification program to teachers across Colorado. This grant partners with 11 rural school districts and will begin offering courses on-line Spring 2008.

Pre-Collegiate Development Program

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The Pre-Collegiate Development Program (PCDP), sponsored by the University of Colorado Denver- Downtown Denver Campus, is an institutionally funded academic enhancement program for high school students. This program has been in existence on the Denver Campus since January of 1988. The program's objective is to motivate and prepare first-generation students (grades 9 thru 12) who attend fourteen Denver-Metro area high schools, to successfully complete high school on a timely basis and possess the necessary skills, to successfully enter and graduate from their choice post-secondary institution.

The Pre-Collegiate Development Program is designed to increase the number of first-generation secondary students who aspire to attain a post-secondary education. This is achieved by providing essential and timely academic advising, in cooperation with parents and high school guidance counselors, to assure a timely graduation and meet the students desired successful admission to their choice college/university

During the academic year students are provided with relevant Saturday Academies in such areas as: Basic Study Skills Mastery, College Entrance Exam Preparation, College Entrance, Exam Interpretation, Career Exploration, Financial Aid Workshop, Academic Enhancement, Leadership Skills and Student Communications Workshops. Tutoring

services are also provided on an ongoing basis throughout the academic year both at UCD-DDC and the student's high school. Students must maintain cumulative G.P.A. of 2.5 or better to continue participating in the program. Also, at the beginning of each semester, each student's Minimum Academic Preparation Standards (MAPS) form is updated with all the courses that have been taken to ensure that the MAPS requirements are met.

In addition, these students are provided with either a two-week (sophomores) or five-week (juniors) intense Summer Academic Program. During this experience, students are exposed to various academic courses, which are designed to enhance and augment their college entry requirements (e.g., mathematics, writing, and the sciences) once they return to their host high school for either their junior or senior year. Students and their parents are clearly informed that there is a major difference.

Post-Baccalaureate Program

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The purpose is to recruit and support students from under-represented groups in medicine, whose academic background has made them a higher risk for admission in medical school. They are to complete 24 hours of intense undergraduate and graduate science courses prior to starting medical school. Accepted students receive up to \$5,800 and are guaranteed admission to the CU School of Medicine if the program is successfully completed. Successful completion is defined as at least 24 hours of science, half at the graduate level, and at least a 3.5 GPA for the year (all A's and B's).

Rocky Mountain-Middle School Math Science Partnership (RM-MSMSP)

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The University of Colorado Denver and Health Sciences Center (UCDHSC) in collaboration with four other institutions of higher education, seven school districts, one BOCES, and the National Science Foundation initiated the Rocky Mountain-Middle School Math and Science Partnership (RMMS-MSP) in fall 2004. The purpose of the partnership is to increase student achievement in grades 6-8. Through the partnership, teachers participate in professional learning development courses and thus increase their impact on student learning through increasingly effective instruction in mathematics and science. In addition, the teacher participants in the RM MSMSP professional learning will help create a cadre of mathematics and science leaders across Colorado. In addition to professional development of teachers, middle school students are able to participate in summer mathematics and science camps which will increase their understandings of central concepts in mathematics and science.

Scholars for Knowledge in Learning and Leadership (SKILL) Mathematics Science Partnership

The Scholars for Knowledge in Learning and Leadership (SKILL) Mathematics Science Partnership draws on and focuses the commitment and expertise of Denver Public

Schools (DPS) and the University of Colorado at Denver and Health Sciences Center (UCDHSC) to advance the science and math achievement of middle school students. The SKILL MSP targets the further development of middle grade science teachers through intensive summer research internships at the Health Sciences Center (HSC). The internships will increase the scientific knowledge base of the participating teachers while providing hands-on experience in inquiry-based research. Middle school science teachers will be paired with basic or clinical research faculty mentors at the HSC for a six-week period to conduct a research project. Graduate students/postdoctoral fellows from the HSC will serve as the lab advisors for the teachers and will host on-line discussion groups for participating teachers during the following academic year.

Summer Enrichment Program

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The mission of the Summer Enrichment Program is to recruit and prepare students for success in the Pharm.D. degree program. The program is targeted at students who contribute to the cultural and ethnic diversity of the school, are educationally or economically disadvantaged or are first generation college students to the School of Pharmacy.

The Summer Enrichment Program is a unique experience that has proven effective in equipping new students with skills, knowledge and a group of friends who remain supportive throughout their pharmacy education. The program offers academic preparation, learning skills preparation and practical experience through an eight-week summer program worth six credit hours. The program has a number of components.

Teacher-Ranger-Teacher Project

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This SEHD project (Michael Marlow) provides the national parks with a team of eight teachers to develop curriculum materials for a more diverse population for both classroom and park use. These eight teachers will work as rangers in eight national parks. Funded by NPS (Linda Lutz-Ryan).

Undergraduate Pre-Health Program (UPP)

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The UCD Anschutz Medical Campus- Undergraduate Pre-Health Program (UPP) is modeled after the highly effective and successful Health Careers Pre-Collegiate Program. Students selected for this program must be first-generation, low income and/or underrepresented in the health professions, have a minimum of 24 credit hours from an accredited undergraduate institution and 3.0 GPA. Participants spend 8 weeks on campus where they shadow medical professionals, conduct research and participate in workshops on health disparities and cultural competence. The participants in UPP also meet monthly throughout the academic year for Saturday Academy sessions on topics ranging from health disparities to study skills. All participants are required to take the one of the test and prep-courses necessary to apply to medical, pharmacy, nursing, dental or other

health profession school (i.e.: DAT, MCAT or GRE). Application necessary for program.
[http://www.uchsc.edu/diversity/Undergraduate Pre- Health Applicaition.doc](http://www.uchsc.edu/diversity/Undergraduate%20Pre-Health%20Applicaition.doc)