Overview

The Graduate School at the University of Colorado Anschutz Medical Campus oversees, facilitates, and enhances graduate education, while encouraging excellence in research, creative and scholarly work. We offer master’s degrees, doctoral degrees, graduate certificates, and non-degree options in a wide variety of programs. Disciplines include Biomedical Sciences, Modern Human Anatomy, Genetic Counseling, Palliative Care, Nursing, Pharmaceutical Sciences, and Public Health. The Anschutz Medical Campus (CU Anschutz) is the largest academic health center in the Rocky Mountain region. The campus combines interdisciplinary teaching, research and clinical facilities to prepare the region’s future health care professionals and be a national leader in life sciences research.

Diversity, Equity, & Inclusion

The Graduate School is committed to diversity and equity in the recruitment and retention of students. We actively seek persons from underrepresented populations, which include, but are not limited to, ethnic groups underrepresented in STEM, individuals with a disability, and those students who are economically disadvantaged, from rural areas, or first-in-family college graduates.

Graduate School Programs Offered

- Graduate School Certificates (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-certificates/)
  - Anatomical Sciences Education (Certificate) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-certificates/anatomical-sciences-education-certificate/)
  - Biomedical Science (Certificate) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-certificates/biomedical-science-certificate/)
  - Community-Based Hospice & Palliative Medicine Fellowship (Certificate) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-certificates/community-based-hospice-palliative-medicine-fellowship/)
  - Dissemination & Implementation Science (Certificate) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-certificates/dissemination-implementation-science-certificate/)
  - Health Ethics & Humanities (Certificate) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-certificates/health-ethics-humanities-certificate/)
  - Palliative Care (Certificate) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-certificates/palliative-care-certificate/)
  - Personalized & Genomic Medicine (Certificate) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-certificates/personalized-genomic-medicine-certificate/)
  - Research Management and Compliance (Certificate) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-certificates/research-management-compliance-certificate/)
  - Translational Research on Alzheimer’s Disease (Certificate) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-certificates/translational-research-alzheimers-disease-certificate/)
  - Graduate School Masters Programs (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-masters-programs/)
    - Biomedical Science & Biotechnology (MS) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-masters-programs/biomedical-science-biotechnology-ms/)
    - Biostatistics (MS) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-masters-programs/biostatistics-ms/)
    - Clinical Science (MS) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-masters-programs/clinical-science-ms/)
    - Epidemiology (MS) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-masters-programs/epidemiology-ms/)
    - Genetic Counseling (MS) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-masters-programs/genetic-counseling-ms/)
    - Modern Human Anatomy (MS) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-masters-programs/modern-human-anatomy-ms/)
    - Palliative Care (MS) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-masters-programs/palliative-care-ms/)
    - Pharmaceutical Sciences (MS) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-masters-programs/pharmaceutical-sciences-ms/)
  - Graduate School PhD Programs (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-phd-programs/)
    - Biomedical Sciences (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-phd-programs/biomedical-sciences-phd/)
    - Biostatistics (PhD) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-phd-programs/biostatistics-phd/)
    - Cancer Biology (PhD) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-phd-programs/cancer-biology-phd/)
    - Cell Biology, Stem Cells & Development (PhD) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-phd-programs/cell-biology-stem-cells-development-phd/)
    - Climate and Human Health (PhD) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-phd-programs/climate-human-health-phd/)
    - Clinical Science (PhD) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-phd-programs/clinical-science-phd/)
    - Computational Bioscience (PhD) (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/graduate-school-phd-programs/computational-bioscience-phd/)
Graduate School Courses

ANAT 6111 - Human Gross Anatomy (8 Credits)
The Human Gross Anatomy course examines the form and function of the human body at a macroscopic level. Systems-based and regional anatomy lectures are complemented by full-body cadaver dissection. Medical imaging labs provide the opportunity to learn ultrasound skills. Requirements: Must be a degree-seeking student in MS Modern Human Anatomy program.
Grading Basis: Letter Grade
Typically Offered: Spring.

ANAT 6205 - Imaging and Modeling (4 Credits)
This course covers major medical and scientific imaging modalities with an emphasis on 3D scientific and medical visualization. Students will also receive instruction in advanced digital image processing and 3D modeling using industry-standard software such as MATLAB and Maya. Prerequisite: Only ANAT degree-seeking students
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

ANAT 6208 - Foundations in 3D Modeling for Anatomical Sciences (1 Credit)
An introduction to the applications and techniques necessary for 3D scanning, modeling, and printing. This lab-based course will provide students with hands-on experience on acquiring and processing surface scan data along with strategies for printing and finishing objects using fused-deposition modeling and stereo lithography. Pre-requisite: ANAT 6205
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

ANAT 6210 - Autodesk Maya for Anatomical Science (2 Credits)
Autodesk Maya for Anatomical Sciences teaches students to create professional animations illustrating concepts inherent in the study of medical science using Autodesk Maya. Pre-requisite: ANAT 6208.
Grading Basis: Letter Grade
Typically Offered: Fall, Summer.

ANAT 6220 - Unreal Engine for the Anatomical Sciences (2 Credits)
This course builds upon the foundational 3D modeling skills learned in ANAT 6260 and provides students with the practical experience, inspiration, and confidence to incorporate the Unreal Engine into their capstone. Students will deploy an app built with Unreal Engine. Pre-requisite: ANAT 6208 Prerequisite; ANAT-MS student or instructor permission.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

ANAT 6310 - Neuroanatomy (4 Credits)
Structure & Function in the Human Nervous System. Basic neuroanatomy & neural systems with workshop focus employing facilitated discussions & problem-oriented cases. Laboratory sessions will employ brain specimens, models & image sets. Team-based projects are in-depth exploration of topics with development of collaborative presentations. Requisite: Restricted to ANAT students only.
Grading Basis: Letter Grade
Typically Offered: Fall.
ANAT 6321 - Human Histology (4 Credits)
Histology is the study of the tissues. By exploring the human structure, function and organization at the histological level, students will gain important pattern recognition skills to integrate microscopic knowledge with macroscopic gross anatomy and other foundational anatomical sciences. (Will replace ANAT 6320) Prereq: Restricted to ANAT students only.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

ANAT 6330 - Human Embryology (3 Credits)
This graduate level, introductory human embryology course will emphasize developmental aspects of adult anatomy and congenital malformations. Educational value of three-or-four-dimensional models and other ancillary learning resources for human embryology will also be explored. Requisite: Restricted to ANAT students only.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

ANAT 6412 - Foundations of Teaching (1 Credit)
This course will provide students with training, practice, and constructive feedback in effective teaching skills in order to be successful in the biomedical professions. Topics include learning objectives, the neurobiology of learning, assessments, and effective communication within and outside the classroom.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

ANAT 6490 - Advanced Teaching in Anatomical Sciences (3 Credits)
This course offers a hands-on, supervised experience as an anatomical sciences educator. Readings and discussions will enhance your understanding of educational pedagogy. You will apply these skills as you develop and deliver lecture and lab content in a classroom setting. Instructor consent required.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

ANAT 6600 - Experimental Design and Research Methods (1 Credit)
In this course, students will foster and apply strategies that enable critical evaluation of any published research (including basic, clinical, and educational), as well as develop the skills necessary to conduct and appropriately analyze their own research data.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring.

ANAT 6750 - Special Topics: Modern Human Anatomy (1-6 Credits)
This course is offered in a variety of technical and thematic areas in modern human anatomy. The specific topics vary from year to year. Note: This course includes lectures, discussions and workshops.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

ANAT 6840 - Independent Study (1-6 Credits)
This course enables the student to pursue an investigation in a modern human anatomical field of choice toward completion of a capstone project with relatively minor supervision from faculty advisors.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

ANAT 6910 - Teaching Practicum (1-4 Credits)
Hands-on teaching course in which students apply pedagogical theories to practice in a professional program as a teaching assistant, lecturer or other instructional position. Prereq.: ANAT 6412. Course restricted to ANAT majors.
Grading Basis: Satisfactory/Unsatisfactory
Repeatable. Max Credits: 4.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

ANAT 6911 - Advanced Teaching Practicum (1-4 Credits)
Hands-on teaching course in which students apply pedagogical theories to practice in a professional program as a teaching assistant, lecturer or other instructional position. Prerequisite: ANAT degree-seeking student;
ANAT 6412
Grading Basis: Letter Grade
Repeatable. Max Credits: 4.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

ANAT 6931 - MSMHA Internship (1-6 Credits)
The internship provides hands-on learning opportunities and practical experience for graduate students in institutions related to anatomical sciences, imaging, technology/biotechnology, innovation, and entrepreneurship. Restricted to ANAT students only
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

ANAT 6950 - MSMHA Capstone Project (1-12 Credits)
The Capstone project is a scholarly and/or research-based pursuit of knowledge and content development in the area of anatomical sciences, modern imaging and modeling technologies, and educational science completed as part of the MS in Modern Human Anatomy. Prerequisite: Must be ANAT degree-seeking student.
Grading Basis: Letter Grade with IP
Repeatable. Max Credits: 12.
Additional Information: Report as Full Time.
Typically Offered: Fall, Spring, Summer.

BSBT 6060 - Special Topics in Biomedical Science & Biotech (1-3 Credits)
Special topics of interest to graduate students in the biomedical sciences and biotechnology fields.
Grading Basis: Letter Grade
Repeatable. Max Credits: 9.
Typically Offered: Fall, Spring, Summer.

BSBT 6061 - Project Management (2 Credits)
Provides training in initiating, executing & closing a project, including the management of scope, time, cost, human resources, communication, risk and more. Highly interactive intensive course prepares students for Certified Project Management exam (internationally recognized certification). Taught by Project Management Professional.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

BSBT 6063 - MSMHA Project Management (1-6 Credits)
An advanced course in the area of project management that explores the psychological, sociological, and administrative aspects of managing a project.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.
BSBT 6062 - Principles & Strategies of Effective Teaching (1 Credit)
Introduces students to research-based, student-centered pedagogies and instructional design techniques. Encourages students to view teaching as an intellectual endeavor. Learn about useful resources for future teaching and formally document pedagogical knowledge and skills for employability. Intensive 1-credit course.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

BSBT 6063 - Speaking & Presenting for Scientists & Educators (1 Credit)
Science Communication in the form of speeches and presentations is essential to the research endeavor. The course will increase your effectiveness to deliver scientific, medical, or educational presentations in an audience-centered and impactful way; to respond to audience questions; and to facilitate audience engagement & discussion.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

BSBT 6064 - Scientific Writing (1 Credit)
Taught by a biomedical researcher and a professional writing instructor, this 15-hour (3-week) course focuses on developing a framework for successful scientific writing practices, including how to effectively structure arguments, how to write grant proposals and more.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

BSBT 6065 - Case Studies in Responsible Conduct of Research (1 Credit)
Anyone conducting research using federal funding must study RCR. You'll learn expectations and regulations that permeate science. You'll understand consequences of violations to individuals and society. We'll explore misconduct through interactive video, written and video case studies, and other engaging activities.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

BSBT 6066 - Independent Study (1-3 Credits)
The Course BSBT 6066, Independent Study, with allow graduate students to explore independently new avenues and opportunities that complement their education and training in a way that is otherwise not offered in required or elective courses of the BSBT Program. Enrollment with permission only. Requisite: With permission only
Grading Basis: Letter Grade with IP
Repealable. Max Credits: 3.
Typically Offered: Fall, Spring.

BSBT 6067 - Statistics for Biomedical Sciences (2 Credits)
Learn how and when to apply statistical procedures to answer scientific questions relevant to biomedicine, and how to critically assess statistical data for validity.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

BSBT 6068 - Laboratory Research in Structural Biology (1-6 Credits)
The Course BSBT 6068, Laboratory Research, with allow graduate students to engage in laboratory research training in the biomedical sciences with focus on structural biology.
Grading Basis: Letter Grade
Repealable. Max Credits: 15.
Typically Offered: Fall, Spring, Summer.

BSBT 6069 - Laboratory Research in Immunology and Microbiology (1-6 Credits)
The Course BSBT 6069, Laboratory Research, with allow graduate students to engage in laboratory research training in the biomedical sciences with focus on immunology and microbiology.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

BSBT 6070 - Mini-Research Rotations (1-3 Credits)
The Course BSBT 6070, Mini-Research Rotations, with allow graduate students to learn in three different laboratories about research in immunology and microbiology.
Grading Basis: Letter Grade with IP
Typically Offered: Fall, Spring.

BSBT 6071 - Introduction to R Programming (1 Credit)
Introduction to the statistical programming language R geared primarily to biomedical science students with little to no previous programming experience. Basic features of R as a programming language and as a scientific computing platform. Basics of data cleaning, visualization, and analysis.
Grading Basis: Letter Grade
Typically Offered: Spring.

BSBT 6072 - Foundations in Biochemistry (1.5 Credits)
This short course provides a condensed and fast-paced overview of the fundamentals in biochemistry including research strategies and techniques. The course aims to enhance the students’ ability to engage in critical scientific reasoning and problem-solving and to prepare students for the scientific analyses and discussions.
Grading Basis: Letter Grade
Typically Offered: Fall.

BSBT 6073 - Foundations in Molecular Biology (1.5 Credits)
This short course provides a condensed and fast-paced overview of the fundamentals in molecular biology including research strategies and techniques. The course aims to enhance the students’ ability to engage in critical scientific reasoning and problem-solving and to prepare students for the scientific analyses and discussions.
Grading Basis: Letter Grade
Typically Offered: Fall.

BSBT 6074 - Foundations in Cell Biology (1.5 Credits)
This short course provides a condensed and fast-paced overview of the fundamentals in cell biology including research strategies and techniques. The course aims to enhance the students’ ability to engage in critical scientific reasoning and problem-solving and to prepare students for the scientific analyses and discussions.
Grading Basis: Letter Grade
Typically Offered: Fall.

BSBT 6075 - Foundations in Genetics (1.5 Credits)
This short course provides a condensed and fast-paced overview of the fundamentals in genetics including research strategies and techniques. The course aims to enhance the students’ ability to engage in critical scientific reasoning and problem-solving and to prepare students for the scientific analyses and discussions.
Grading Basis: Letter Grade
Typically Offered: Fall.
BSBT 6076 - Research Explorations (1 Credit)
This course allows for exploration of SBB research labs in a "mini-rotation" format, through meeting faculty, reading literature and participating in lab group meetings and research in order to choose a research lab and prepare a short research proposal.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring.

BSBT 6078 - Seminar in Immunology and Microbiology (1 Credit)
This course provides students in the Bioinformatics in Immunology/Microbiology program an integration of didactic knowledge with research approaches to outstanding questions in the field. Students will attend department weekly seminar followed by structured discussion.
Prerequisites - IDPT 7810 & IMMU 7630
Grading Basis: Letter Grade

BSBT 6110 - Introduction to Biomedical Data Practices (2 Credits)
This course provides students with advance knowledge and topics in every aspects of data science.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

BSBT 6111 - Introduction to Biocomputing (2 Credits)
This course provides students with hands on experience in basic computation, database, and programming skills set as a pre-requisite for a higher level data analysis course. The students will use example in the context of biomedical and genomic dataset. Requisite: Must be simultaneously enrolled in BSBT 6113.
Grading Basis: Letter Grade
Typically Offered: Fall.

BSBT 6113 - Data Science with R (1 Credit)
In this 4 weeks semi-independent study course, you will learn how to use the "tidyverse" programming paradigm to perform data science operation using the programming language R. At the end of the course, you will learn the basic understanding of the fundamental elements of data science, including: wrangling, exploration, visualization and modeling.
Grading Basis: Letter Grade
Typically Offered: Fall.

BSBT 6301 - Practical Clinical Research Informatics (3 Credits)
This course provides students with hands on experience in clinical research informatics involving secondary use of electronic health record (EHR) data, clinical informatics databases, and basic clinical data science as preparation for more advanced informatics or data science coursework. Requisite: 008754 A-GRAD
Grading Basis: Letter Grade
Typically Offered: Spring.

BSBT 6310 - Data Science with R (1 Credit)
In this 4 weeks semi-independent study course, you will learn how to use the "tidyverse" programming paradigm to perform data science operation using the programming language R. At the end of the course, you will learn the basic understanding of the fundamental elements of data science, including: wrangling, exploration, visualization and modeling.
Grading Basis: Letter Grade
Typically Offered: Fall.

BSBT 6801 - Biomedical Entrepreneurship (3 Credits)
The course addresses the essential elements of bioscience and health innovation and entrepreneurship. Prerequisites: An undergraduate degree in science, technology, business, engineering or math. Cross-listed with ENTP 6801
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

BSBT 6802 - Reg Env of Life Science Innovation - Drug Discovery (1.5 Credits)
This course is designed to familiarize biomedical scientists and those interested in the business of science with the fundamentals of U.S. and international regulatory affairs regarding drug development. Focus is the development of products, such as drugs, devices, diagnostic tests, and health information software, to receive U.S. and international regulatory clearance or approval for commercialization.
Grading Basis: Letter Grade
Typically Offered: Fall, Summer.

BSBT 6804 - Bioinnovation Regulations (3 Credits)
This course is designed to familiarize biomedical scientists and those interested in the business of science with the fundamentals of U.S. and international regulatory affairs regarding drug discovery and medical devices. Focus is the development of products, such as drugs, devices, diagnostic tests, and health information software, to receive U.S. and international regulatory clearance or approval for commercialization.
Grading Basis: Letter Grade
Typically Offered: Fall.
BSBT 6939 - Internship - Technology and Innovation (3-6 Credits)
The internship provides hands-on learning opportunities for graduate students in institutions related to technology/biotechnology, computer science, engineering, innovation and entrepreneurship. Requisite: (Formerly IDPT 6939) Enrollment with permission only, contact inge.wefes@ucdenver.edu. Instructor Consent required. Grading Basis: Letter Grade with IP Repeateable. Max Credits: 6. A-GRAD Restricted to graduate students only. Additional Information: Report as Full Time. Typically Offered: Fall, Spring, Summer.

BSBT 6950 - Laboratory Thesis Research (1-6 Credits)
Laboratory Thesis Research with allow graduate students to engage in laboratory research training in the biomedical science. Grading Basis: Letter Grade Repeateable. Max Credits: 6. Typically Offered: Fall, Spring, Summer.

BSBT 7646 - Tissue Biology and Disease Mechanism (1 Credit)
This course provides an overview of organ systems and through 1) a survey of the major systems, including the cellular and molecular mechanisms underlying their function and repair, integrated with 2) common diseases, current therapies, and their mechanistic basis. Prereq: IDPT 7811, 7812, 7813, 7814, 7815 (BIOM Sci Core Courses). Grading Basis: Letter Grade Typically Offered: Fall.

CAND 6940 - Candidate for Degree (1 Credit) Prereq: Consent of Instructor. Grading Basis: Satisfactory/Unsatisfactory w/IP Repeateable. Max Credits: 3. A-GRAD Restricted to graduate students only. Additional Information: Report as Full Time. Typically Offered: Fall, Spring, Summer.

CHPM 7001 - Comm-Based Hospice and Pall Med Fellowship - A (8 Credits)
For physicians MSPC students who are accepted as CB-HPM Fellows. Graduate Medical Education and supervision for fellows to complete all clinical requirements for patient care and meet HPM Milestones. Pre- or Co-Requisite - PALC 6511/12 Grading Basis: Letter Grade with IP Typically Offered: Fall.

CHPM 7002 - Comm-Based Hospice and Pall Med Fellowship - B (8 Credits)
For physicians MSPC students who are accepted as CB-HPM Fellows. Graduate Medical Education and supervision for fellows to complete all clinical requirements for patient care and meet HPM Milestones. Pre- or Co-Requisite PALC 6511/12 Grading Basis: Letter Grade with IP Typically Offered: Fall.

CHPM 7003 - Comm-Based Hospice and Pall Med Fellowship - C (4 Credits)
For physicians MSPC students who are accepted as CB-HPM Fellows. Graduate Medical Education and supervision for fellows to complete all clinical requirements for patient care and meet HPM Milestones. Pre- or Co-Requisite - PALC 6511/12 Grading Basis: Letter Grade with IP Typically Offered: Summer.

CHPM 7004 - Comm-Based Hospice and Pall Med Fellowship - D (8 Credits)
For physicians MSPC students who are accepted as CB-HPM Fellows. Graduate Medical Education and supervision for fellows to complete all clinical requirements for patient care and meet HPM Milestones. Pre- or Co-Requisite - PALC 6511/12 Grading Basis: Letter Grade with IP Typically Offered: Fall.

CHPM 7005 - Comm-Based Hospice and Pall Med Fellowship - E (8 Credits)
For physicians MSPC students who are accepted as CB-HPM Fellows. Graduate Medical Education and supervision for fellows to complete all clinical requirements for patient care and meet HPM Milestones. Pre- or Co-Requisite - PALC 6511/12 Grading Basis: Letter Grade with IP Typically Offered: Spring.

CHPM 7006 - Comm-Based Hospice and Pall Med Fellowship - F (4 Credits)
For physicians MSPC students who are accepted as CB-HPM Fellows. Graduate Medical Education and supervision for fellows to complete all clinical requirements for patient care and meet HPM Milestones. Pre- or Co-Requisite - PALC 6511/12 Grading Basis: Letter Grade with IP Typically Offered: Summer.

CLSC 6060 - Analysis Modeling and Design (3 Credits) Collaborative offering with Denver Campus, emphasizing information requirements analysis, logical system specification, detailed system design. Topics include structured system development methodologies, prototyping, file design, systems architecture, systems testing, software design strategies. Students use case tool to develop system specifications. Crosslisted: ISMG 6060. Grading Basis: Letter Grade A-GRAD Restricted to graduate students only. Typically Offered: Fall, Spring, Summer.

CLSC 6080 - Database Management Systems (3 Credits) Offered as a collaborative offering with UCD, this course focuses on the development and management of database systems to support business operations. Important subjects include semantic data modeling, normalization, SQL, fourth generation languages, and client-server database applications. Crosslisted: ISMG 6080. Grading Basis: Letter Grade A-GRAD Restricted to graduate students only. Typically Offered: Fall, Spring, Summer.

CLSC 6210 - Research Seminars in Clinical Science (1 Credit) This course provides an overview of the types of clinical translational studies being conducted by senior CLSC doctoral students. The interactive seminar series structure allows for interdisciplinary scientific dialogue among students at various stages of training, mentors and faculty. Grading Basis: Letter Grade with IP Repeatable. Max Credits: 3. A-GRAD Restricted to graduate students only. Typically Offered: Fall, Spring, Summer.
CLSC 6211 - Immersion in Community Engagement (3 Credits)
The course focuses on community-based participatory research, community engagement and understanding health disparities through a community immersion experience. Restrictions: Students need to contact the CLSC program prior to registering.
Grading Basis: Letter Grade
Typically Offered: Summer.

CLSC 6260 - Conducting Clinical Trials for Investigators (2 Credits)
Course is for investigators conducting clinical trials. Course covers good clinical practices/regulations that surround setting up and running clinical trials. Clinical studies and popular press articles highlighting what can go wrong in clinical trials will be reviewed and discussed.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

CLSC 6270 - Critical Appraisal Seminars in Clinical Science (1 Credit)
This course provides an overview of the approaches for critically appraising common study designs published in the clinical and translational sciences literature, as well as other sources of information.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

CLSC 6300 - Scientific Grant Review Process: CCTSI Proposals MS (1 Credit)
Students will understand and participate in the process of scientific review of human subject research protocols submitted to the University of Colorado Denver Clinical Translational Research Centers at University Hospital and The Children's Hospital. Prereq: BIOS 6601, BIOS 6602 (or BIOS 6611, BIOS 6612) & CLSC 7500.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring.

CLSC 6530 - Designs and Mixed Methods in Implementation Research (3 Credits)
This course provides an in-depth examination of study designs, comparative effectiveness research, and qualitative, quantitative and mixed methods approaches to dissemination and implementation research. The focus is application to health care and public health settings. Prerequisite: CLSC 7503.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring.

CLSC 6550 - Qualitative and Mixed Methods in Health Research (3 Credits)
This course provides an in-depth examination of qualitative and mixed methods approaches that are pertinent to health research.
Grading Basis: Letter Grade
Typically Offered: Spring.

CLSC 6561 - Leadership Dialogues I (2 Credits)
This interdisciplinary leadership course focuses on leadership strategies needed for providing family-centered, culturally competent, community-based services for children with special needs and their families. Prereq: A degree in health care profession or related field or instructor consent.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

CLSC 6562 - Leadership Dialogues II (1 Credit)
This interdisciplinary leadership course focuses on leadership strategies needed for providing family-centered, culturally competent, community-based services for children with special needs and their families. Prereq: a degree in health care profession or related field or instructor consent.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring.

CLSC 6563 - Intervention for Individuals with Developmental Disabilities (3 Credits)
This interdisciplinary course reviews evidence-based practices in intervention for children with autism and other neurodevelopmental disorders, presented through lectures, critical readings of the literature, case discussions, and case presentations. Prereq: Degree in health care profession or related field or consent of instructor.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring.

CLSC 6650 - Guided Research Tutorial - Masters (1-3 Credits)
An independent study course developed by the student and the appropriate faculty member based on the area of study. Students meet regularly with the selected course instructor; the student and course instructor will develop a course plan prior to registration.
Grading Basis: Letter Grade
Repeatable. Max Credits: 3.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

CLSC 6653 - Key Concepts in Neurodevelopmental Disabilities I (2 Credits)
Course represents part one of two-part interdisciplinary course series focused on systems, options for diagnosis/assessment and alternatives for service provision related to children/youth/young adults with neurodevelopmental and related disabilities and their families to address this population’s special health care needs. Prereq: A degree in healthcare profession or related field or instructor consent.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

CLSC 6654 - Key Concepts in Neurodevelopmental Disabilities II (2 Credits)
This course represents part two of a two-part interdisciplinary course series focused on service provision, intervention strategies and service provision related to children/youth/young adults with neurodevelopmental and related disabilities and their families to address this population’s special health care needs. Prereq: A degree in health care profession or related field or instructor consent and completion of CLSC 6653.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

CLSC 6661 - Leadership Dialogues III (1 Credit)
This interdisciplinary leadership course focuses on leadership strategies needed for providing family-centered, culturally competent, community-based services for children with special needs and their families. Prereq: a degree in health care profession or related field or instructor consent.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring.
CLSC 6665 - Leadership Dialogues IV (1 Credit)
Leadership Dialogues IV builds upon skills addressed in Leadership Dialogues III with the addition of content that integrates critical and systems thinking and ethical decision making with the leadership and team concepts and skills developed in LD III. Prereq: Degree in health care profession or related field or consent of instructor and CLSC 6664.
Restrictions: Nursing only.
Grading Basis: Letter Grade
Typically Offered: Spring.

CLSC 6668 - Screening/Assessment for Children/Youth with Autism/Neurodevelopmental Disabilities (3 Credits)
This interdisciplinary course presents best practices in screening/assessment for autism, focusing on: identification of symptoms of autism; differentiation of autism from other disorders; recognition of symptoms; examination of culture on clinical presentation; and approaches to share observations. Prereq: a degree in health care profession or related fields (or consent of instructor).
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

CLSC 6699 - Masters Research Project: Publishable Paper (1-6 Credits)
During course students working with his/her research mentor and research project committee to plan, execute, write Final Research Project in form of a publishable paper. In addition, students prepare for Final Research Project Examination. This is a capstone course. Prerequisite: Consent of program. BIOS 6601 and BIOS 6602 or BIOS 6611 and BIOS 6612, CLSC 7150, EPID 6630.
Grading Basis: Letter Grade with IP
A-GRAD Restricted to graduate students only.
Additional Information: Report as Full Time.
Typically Offered: Fall, Spring, Summer.

CLSC 6750 - Designing for Dissemination, Sustainability, and Equity (2 Credits)
This course provides an introduction to designing for the dissemination and sustainability of health innovations in clinical and translational research and practice, using a co-creation engagement approach, and with a focus on equity.
Grading Basis: Letter Grade
Typically Offered: Fall.

CLSC 6770 - Implementation Science Grant and Article Funding (2 Credits)
This course provides an in-depth examination of issues in submitting successful grant proposals in Dissemination & Implementation research. The course will build upon good general practices in grant and manuscript preparation and submission. Prerequisite: CLSC 7653.
Grading Basis: Letter Grade
Typically Offered: Summer.

CLSC 6850 - Adv Topics: Dissemination and Implementation Sci (1 Credit)
Provides an overview of intermediate and advanced dissemination and implementation (D&I) science research methods in a small group discussion format. This interactive seminar series structure allows for interdisciplinary scientific dialogue among students at various stages. Prerequisite: CLSC 7653.
Grading Basis: Letter Grade
Repeatable. Max Credits: 2.
Typically Offered: Fall, Spring.

CLSC 6950 - Masters Research Project: Thesis (1-6 Credits)
During this course students plan, execute, and write the Final Research Project in the form of a Masters thesis. In addition, students will prepare for the Final Research Project Examination. This is a capstone course.
Grading Basis: Letter Grade with IP
A-GRAD Restricted to graduate students only.
Additional Information: Report as Full Time.
Typically Offered: Fall, Spring, Summer.

CLSC 7101 - Grant Writing I (1 Credit)
The purpose of this course is to develop and improve your skills in writing successful grant applications and participating in the critique and review process of grants. Prerequisites: BIOS 6601 and EPID 6630.
Course Restrictions: CLSC students, unless written approval of Course Director.
Grading Basis: Letter Grade
Repeatable. Max Credits: 3.
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

CLSC 7102 - Grant Writing II (1 Credit)
The purpose of this course is to develop and improve your skills in writing successful grant applications and participating in the critique and review process of grants. Prerequisites: BIOS 6601, EPID 6630, CLSC 7101.
Course Restrictions: CLSC students, unless written approval of Course Director.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

CLSC 7150 - Ethics and Responsible Conduct of Research (1 Credit)
Course provides overview of the field of ethics in clinical research. Topics include historical background, current regulations, IRB requirements on human subjects protection issues. Students will learn how to develop approaches to conduct ethical human subjects research in an optimal manner.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

CLSC 7202 - Clinical Outcomes and Applications (3 Credits)
This course focuses on research methodologies in clinical care, costs, health systems, policy, and health outcomes, as well as an overview of major issues in clinical outcomes research. Students are provided with both theory and application through case studies. Prerequisite: BIOS 6601 and BIOS 6602 or BIOS 6611 and EPID 6630.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

CLSC 7300 - Scientific Grant Review Process: CCTSI Proposals (1 Credit)
Students will understand and participate in the process of scientific review of human subject research protocols submitted to the University of Colorado Denver Clinical Translational Research Centers at University Hospital and the Children’s Hospital. Prereq: BIOS 6601 BIOS 6602 or BIOS 6611 and BIOS 6612.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring.
CLSC 7650 - Guided Research Tutorial - Doctoral (1-3 Credits)
This is an independent study course developed by student and appropriate faculty member based on area of study. Students meet regularly with selected course instructor. The student and course instructor will develop course plan prior to registration of the course. Prereq: Consent of program approved course plan closed registration. Grading Basis: Letter Grade
Repeatable. Max Credits: 3.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

CLSC 7653 - Dissemination and Implementation Research in Health (3 Credits)
Introduces dissemination and implementation (D&I) research and practice in the context of health (i.e. translational research in health). This is a graduate level course and students should have a working understanding of study designs and statistics.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring.

CLSC 7663 - Context & Adaptation in D&I Research (2 Credits)
This course covers concepts, frameworks, and methods for understanding and assessing context and guiding adaptations as relevant to dissemination and implementation (D&I) health research and practice. Prerequisite - CLSC 7653.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring.

CLSC 8990 - Doctoral Thesis (1-10 Credits)
This course involves the student working with his/her research mentor and research project committee develop, design and execute a clinical science doctoral study as well as to write up the project as a thesis. Prerequisites: Program consent. BIOS 6601 or BIOS 6611, BIOS 6602 or BIOS 6680 and HSMP 6617, CLSC 7150, EPID 6630, BIOS 6648 or EPID 6626 or HSMP 6670. Restrictions: Only CLSC PhD students or collaborative CLSC and CSPH Health Services Research Students.
Grading Basis: Letter Grade with IP
Repeatable. Max Credits: 99.
A-GRAD Restricted to graduate students only.
Additional Information: Report as Full Time.
Typically Offered: Spring.

GEND 6105 - Basic Interviewing Skills (1 Credit)
This course covers fundamental theories and principles of effective patient/client interviewing in genetic counseling practice. Lectures are combined with hands-on role plays and interviews so that students may gain applied experience and receive feedback to foster skills development throughout course. Coreq: GENC 6101, GENC 6110.
Restriction: Matriculated student in Genetic Counseling M.S. Program
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

GEND 6110 - Topics in Medical Genetics I (3 Credits)
First course in a two-part course sequence regarding principles of clinical genetics and genetic counseling and development of clinical skills used in various medical genetics settings. Fall semester focuses on principles important in pediatric and general genetics settings.
Restriction: Matriculated student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

GEND 6111 - Topics in Medical Genetics II (2 Credits)
Second course in two-course sequence regarding principles of clinical genetics and genetic counseling used in various medical genetics settings, and development of critical skills. Spring semester focuses on prenatal and adult genetics clinic settings. Prereq: GEND 6110.
Restrictions: Matriculated student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

GEND 6120 - Clinical Cytogenetics and Molecular Genetics (3 Credits)
This course provides integrated instruction regarding human cytogenetic and molecular genetic principles, techniques, and diagnostic testing approaches used in clinical evaluation and risk assessment for genetic disorders/predispositions in prenatal and postnatal patient populations. Coreq: GEND 6121. Restrictions: Matriculated student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

GEND 6121 - Laboratory in Clinical Cytogenetics and Molecular Genetics (2 Credits)
Course provides introduction to specific methodologies and interpretation of studies used in diagnostic cytogenetics and molecular genetics laboratories. Principles discussed in the co-requisite clinical cytogenetics and molecular genetics course will be applied through demonstrations, hands-on experiments, discussion of illustrative cases. Coreq: GEND 6120. Restrictions: Matriculated student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.
GENC 6122 - Seminar in Clinical Cytogenetics and Molecular Genetics (1 Credit)
Course requires students to apply theories/principles of cytogenetics and molecular genetics to analysis of cases that present in daily operations of diagnostic laboratories and formal critique of current research literature. Additionally, students present formal seminar integrating cytogenetic/molecular genetic principles. Prereq: GENC 6120, GENC 6121. Restrictions: Matriculated student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

GENC 6130 - Cancer Genetics and Genetic Counseling (2 Credits)
Course in providing genetic counseling services to clients with or at risk for hereditary cancer predisposition. Topics include clinical oncology, epidemiology, molecular biology of cancer, risk assessment, genetic testing, ethical/legal issues, clinical research considerations, psychosocial impact/support, specific genetic counseling approaches. Prereq: GENC 6110, GENC 6120. Restrictions: Matriculated student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

GENC 6140 - Human Inborn Errors of Metabolism (2 Credits)
Course provides systematic review of major metabolic disorders, including their clinical phenotypes, diagnosis, and management. Physiological and laboratory testing principles important to understanding these disorders will be reviewed. Psychosocial impact of metabolic disorders and genetic counseling approaches will be discussed. Restrictions: Matriculated student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

GENC 6150 - Congenital Malformations and Disorders of the Newborn (1 Credit)
This survey course covers common major malformations and non-metabolic genetic disorders identified by newborn screening programs. Clinical phenotypes, diagnosis, management and etiology are addressed. Psychosocial impact of these conditions and genetic counseling approaches will be discussed. Prereq: GENC 6110. Co-Req: GENC 6111. Restrictions: Matriculated student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

GENC 6160 - Introduction to Clinical Research for Genetic Counseling Students (1 Credit)
An introduction to clinical research including an overview of ethical principles, study methods and designs, practical execution, data analysis and presentation of results. Possible roles of a genetic counselor in the conduct of clinical research will be a course focus. Restrictions: Matriculated student in MS Genetic Counseling Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

GENC 6201 - Advanced Psychosocial Genetic Counseling (2 Credits)
This course examines advanced genetic counseling techniques as they relate to psychosocial theories, specific client characteristics and the client/counselor dynamic. Critical discussion of core topics and readings and case analysis will be used for instruction. Prereq: GENC 6101 and GENC 6102. Restrictions: Matriculated second year student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

GENC 6210 - Professional Issues in Genetic Counseling I (2 Credits)
First course in a two course sequence regarding professional practice issues of master's level genetic counselors. The Fall semester course focuses on professional standards, professional ethics, legal principles and health systems and policy issues relevant to genetic counselors. Prereq: GENC 6101, GENC 6105, GENC 6110. Restrictions: Second year student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

GENC 6211 - Professional Issues in Genetic Counseling II (2 Credits)
Second course in a two course sequence regarding professional practice issues of master's level genetic counselors. The Spring semester course focuses on disability issues, cultural competency, public health genetics, research methods in genetic counseling, and professional roles. Prereq: GENC 6210. Restrictions: Second year student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

GENC 6250 - Risk Calculation in Genetic Counseling (1 Credit)
This course covers  pedigree analysis and risk calculation principles used by genetic counselors in clinical practice. Prereq: GENC 6110, GENC 6120. Restrictions: Matriculated student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

GENC 6910 - Applied General Genetics Clinic (3 Credits)
This is a clinical rotation for Genetic Counseling M.S. students through a general genetics clinic serving a variety of referral indications. Students will learn and practice case management, history taking, risk assessment, counseling and client advocacy skills. Prereq: GENC 6101, GENC 6105, GENC 6110. Restrictions: Matriculated student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade with IP
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

GENC 6911 - Applied Prenatal Genetics Clinic (3 Credits)
This is a clinical rotation for genetic counseling students through a prenatal diagnosis and genetics clinic. Students will learn/practice history taking, risk assessment, patient education and genetic counseling, case management, as well as observe prenatal diagnosis procedures. Prerequisites: GENC 6101, GENC 6105, GENC 6110. Restriction: Matriculated student in Genetic Counseling M.S. Program.
Grading Basis: Letter Grade with IP
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.
GENC 6912 - Applied Metabolic Genetics Clinic (3 Credits)
This is a clinical rotation for genetic counseling students through a genetics clinic for inborn errors of metabolism. Students will work with patients referred for diagnostic evaluation, medical/nutritional management of specific conditions, and follow-up of positive newborn metabolic screening results. Prereq: GENC 6101, GENC 6105, GENC 6110. Restrictions: Matriculated student in Genetic Counseling M.S. Program. Grading Basis: Letter Grade with IP
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

GENC 6913 - Applied Regional & Specialties Genetics Clinics (1-2 Credits)
This is a clinical rotation for genetic counseling students through regional outreach (telehealth) genetics clinics and specialty/multidisciplinary clinics serving patients with various genetic conditions. Prereq: GENC 6101, GENC 6105, GENC 6110. Restrictions: Matriculated student in Genetic Counseling M.S. Program. Grading Basis: Letter Grade with IP
Repeatable. Max Credits: 2.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

GENC 6914 - Applied Hereditary Cancer Clinic (1 Credit)
This is a clinical rotation for genetic counseling students through adult and pediatric hereditary cancer clinics for individuals seeking genetic counseling and testing for genetic cancer predisposition syndromes. Section 01 - Adult I, Section 02 - Adult II, Section 05 - Pediatric. Program.
Prereq: GENC 6105, GENC 6110, GENC 6120, GENC 6130
Grading Basis: Letter Grade with IP
Repeatable. Max Credits: 3.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

GENC 6915 - Applied Adult Medical Genetics Clinic (1 Credit)
This is a clinical rotation for genetic counseling students through a medical genetics clinic and clinical research settings providing diagnosis, management, risk assessment and genetic counseling for adults. Prereq: GENC 6101, GENC 6105, GENC 6110. Restrictions: Matriculated student in Genetic Counseling M.S. Program. Grading Basis: Letter Grade with IP
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

GENC 6919 - Applied Medical Genetics Clinic - Clinical Elective (1-3 Credits)
This is an elective clinical rotation for genetic counseling students desiring to arrange training in outside of core required clinical rotations or an additional, advanced rotation. Prereq: GENC 6101, GENC 6105, GENC 6110. Restrictions: Matriculated student in Genetic Counseling M.S. Program. Grading Basis: Letter Grade
Repeatable. Max Credits: 9.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

GENC 6920 - Applied Medical Genetics-Laboratory Genetic Counseling Elective (1 Credit)
An elective rotation for students desiring an advanced, applied training experience with genetic counselors based in a genetics diagnostic laboratory. Restrictions: Matriculated student in GENC program who has completed required prerequisite courses listed; Permission of instructor.
Prereq: GENC 6120; GENC 6121; GENC 6122
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

GENC 6940 - Capstone in Genetic Counseling (1 Credit)
Students will develop a proposal and complete an individualized scholarly project that contributes to the knowledge and/or practice of genetic counseling. GENC matriculated student with 2 semesters required coursework completed. Permission of instructor.
Grading Basis: Letter Grade with IP
Repeatable. Max Credits: 3.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

HEHE 5000 - Foundations of Health Humanities (3 Credits)
This course explores the relationships among health, medicine, and society as well as the representations of illness, suffering, disability, and death through the lens of literature, the arts and philosophy, paying particular attention to power relationships and categories of difference.
Grading Basis: Letter Grade
Typically Offered: Fall.

HEHE 5100 - Foundations of Health Care Ethics (3 Credits)
This course provides learners with an opportunity to explore the foundations of health care ethics. The material will cover several different ethical frameworks, with an eye to application to practical problems of health care and population health.
Grading Basis: Letter Grade
Typically Offered: Spring.

HEHE 5250 - Topics in Media, Medicine and Society (3 Credits)
This interdisciplinary course will explore the interconnections and intersections between medicine and media, investigating a significant collaborative enterprise that characterizes American culture.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

HEHE 5350 - Narrative Principles and Practices in Healthcare (3 Credits)
This course introduces students to the intellectual and clinical discipline of narrative work in healthcare. Students will explore the theoretical foundations of narrative in healthcare and participate in structured workshops to improve close reading of texts and writing skills. Requisite: 008754
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

HEHE 5450 - Addressing Health Stigma in Social Contexts (3 Credits)
This interdisciplinary course will equip students with the tools needed to understand health stigma, to construct an explanation as to why it is so common and to explain what, if anything, should be done to address such stigma. Requisite: 008754
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.
HEHE 5550 - Independent Study in Health Humanities & Health Ethics (1-3 Credits)
This independent study will permit students to pursue specialized topics and/or previously studied topics in health humanities and health ethics in greater depth and with more flexible scheduling. Requisite: 008754
Grading Basis: Letter Grade
Repeatable. Max Credits: 3.
Typically Offered: Fall, Spring, Summer.
HEHE 5650 - Ethics, Medicine & the Holocaust: Legacies (3 Credits)
German health professionals – especially physicians, but also nurses, dentists, pharmacists, midwives and public health practitioners – developed and led some of the most heinous activities of the Third Reich. Why? And what are the legacies of this history for medicine and society today?
Grading Basis: Letter Grade
Typically Offered: Fall, Spring.
HEHE 5655 - Introduction to Public Health Ethics (3 Credits)
This course provides learners with an introduction to public health ethics. The material explores differences between public health ethics & health care ethics, important frameworks used in public health ethical analysis, and significant practice in analyzing public health ethics cases.
Grading Basis: Letter Grade
Typically Offered: Fall.
HEHE 5750 - Pain, Its Paradoxes & the Human Condition (3 Credits)
This course explores the lived experiences of pain, its paradoxes, and the extent to which it is a key feature of the human condition. Analyses will be drawn from history, religious studies, philosophy, literature, poetry, public health, medicine, and law.
Grading Basis: Letter Grade
Typically Offered: Fall.
HEHE 5850 - Clinical Ethics (3 Credits)
The purpose of this course is to introduce students to the theory, methods, history, and application of clinical ethics. Course sessions will include instructor- and student-led didactics. Students will be expected to discuss issues and cases in clinical ethics and critically analyze ethical topics and cases in oral and written formats.
Grading Basis: Letter Grade
Typically Offered: Fall.
PALC 6110 - Basic Pain Assessment & Management: IDT Care (3 Credits)
This course reviews basic pain pathophysiology, assessment, non-pharmacological interventions, and non-opioid and opioid pharmacological pain management. Integrated with IDT topics related to pain such as psychological, social & spiritual distress and ethical standards of practice.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.
PALC 6120 - Advanced Concepts in Pain Management (3 Credits)
This course focuses on methadone, opioid infusions, interventional pain management, and other complex modalities. This class focuses on ethics and psychosocial issues including pain in the face of addiction and public policy around opioids and REMS. Prerequisites: PALC 6110 and 6510
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.
PALC 6510 - Palliative Care Core Concepts - Principles, & Communication (3 Credits)
Online and on-campus intensive (some physical presence required) on palliative care topics including: models of care, early palliative care integration, whole person assessment, meaning of illness, and demonstration of advanced communications skills. Special focus on treatment plans with simulated patients/families. Requirement: Restricted to PALC MS or certificate students
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6511 - Online: Core Concepts, Principles & Commun. Skills (2 Credits)
Online discussion of palliative care topics including: models of care, early palliative care integration, whole person assessment, meaning of illness, and demonstration of advanced communications skills. Special focus on treatment plans with simulated patients/families. Co-Requisite: PALC 6512
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6512 - Intensive: Core Topics, Principles & Commun. Skills (1 Credit)
On-campus, in-person intensive (physical presence required) discussion of palliative care topics including: models of care, early palliative care integration, whole person assessment, meaning of illness, and demonstration of advanced communications skills. Special focus on treatment plans with simulated patients/families. Co-Requisite: PALC 6511
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6520 - Communication Skill Refinement: IDT Collaboration (3 Credits)
Online and on-campus intensive (some physical presence required). Advanced topics in PC including refinement of advance PC skills covered Year 1 (e.g. communication) to ensure effectively application to your PC practice; demonstration of psycho#social#spiritual assessment integrated in treatment plans with simulated patients\families. Prerequisite: PALC 6510
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6521 - Online: Comm. Skill Refinement: IDT Collaboration (2 Credits)
Online. Advanced topics in PC including refinement of advance PC skills covered Year 1 (e.g. communication) to ensure effectively application to your PC practice; demonstration of psycho#social#spiritual assessment integrated in treatment plans with simulated patients\families. Co-Requisite: PALC 6522
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6522 - Intensive: Comm. Skill Refinement: IDT Collaboration (1 Credit)
On-campus, in-person intensive (physical presence required). Advanced topics in PC including refinement of advance PC skills covered Year 1 (e.g. communication) to ensure effectively application to your PC practice; demonstration of psycho#social#spiritual assessment integrated in treatment plans with simulated patients\families. Co-Requisite: PALC 6521
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6531 - Online: Palliative Care Integrated in Your Community (2 Credits)
Online. Demonstrate advanced PC communications skills & management of complex pain and symptoms; apply ethical training and practical experience with supportive interventions to help preserve dignity, achieve closure and have peace at life's end. Co-Requisite: PALC 6532
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6532 - Intensive: Pall Care Integrated in Your Community (1 Credit)
On-campus, in-person intensive (physical presence required). Demonstrate advanced PC communications skills & management of complex pain and symptoms; apply ethical training and practical experience with supportive interventions to help preserve dignity, achieve closure and have peace at life's end. Co-Requisite: PALC 6531
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6533 - Palliative Care Core Concepts - Principles, & Communication (3 Credits)
Online and on-campus intensive (some physical presence required) on palliative care topics including: models of care, early palliative care integration, whole person assessment, meaning of illness, and demonstration of advanced communications skills. Special focus on treatment plans with simulated patients/families. Requirement: Restricted to PALC MS or certificate students
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

TRAD 6210 - Translational Research - Alzheimer's Disease/Dementias (4 Credits)
The course will facilitate a solid understanding of translational research in Alzheimer's Disease and Alzheimer's Disease Related Dementias, including neuropsychological and neuropathological disease features, genetic risk factors, biomarkers and brain imaging tools, statistical analyses, therapeutical approaches and clinical trial design.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring.
TRAD 6211 - Research/Development in Alzheimer’s Disease/ Dementias (1 Credit)
The course will discuss with industrial experts a wide variety of issues in connection with research and developments on Alzheimer’s Disease and Alzheimer’s Disease Related Dementias in an industrial setting.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring.

TRAD 6212 - Mini-Rotations AD/ADRD Translational Research (1 Credit)
The course will facilitate short three week mini-rotations in facilities that conduct translational research connected with Alzheimer’s Disease or Alzheimer’s Disease Related Dementias in academic or industrial settings.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring.

BMSC 7650 - Research in Biomedical Sciences (1-3 Credits)
Research rotation for students in the biomedical sciences in PhD program. Prereq: Consent of Instructor. Previously offered as IDPT 7650
Grading Basis: Letter Grade with IP
Repeatable. Max Credits: 20.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

BMSC 7806 - Core I: Foundations in Biomedical Sciences (6 Credits)
Course will focus on the fundamental principles of biomedical sciences. Lectures and recitations/discussions will primarily address the basics of molecular biology, biochemistry, genetics, cell biology and energetic principles. Course is typically limited to biomedical science PhD and BSBT MS students. Previously offered as IDPT 7806
Grading Basis: Letter Grade
Typically Offered: Fall.

BMSC 7810 - Core Topics in Biomedical Science (2 Credits)
Sections focus on different core topics in biomedical science, and will address subject areas such as protein structure and function, neurobiology, embryology, stem cell research, and cancer biology. Students can enroll in multiple Core Topic Courses topics in one semester. Previously offered as IDPT 7810.
Grading Basis: Letter Grade
Repeatable. Max Credits: 20.
AMC-PHD PhD Students only
Typically Offered: Fall.

BMSC 7811 - Responsible Conduct of Research (1 Credit)
This course provides training in the responsible conduct of biomedical research. It is geared towards early PhD graduate students and meets NIH guidelines. Ethical issues associated with specific topics commonly encountered by graduate students are presented and discussed.
Grading Basis: Letter Grade
Typically Offered: Fall.

BMSC 7812 - Rigor and Responsibility in Biomedical Research (1 Credit)
Course will integrate the concepts of rigor, repeatability and reproducibility by combining both wet and dry lab components focused on teaching these concepts and laboratory skills. We will seek to make these concepts routine considerations during the design and execution of any type of experiment. Instructor consent required.
Grading Basis: Satisfactory/Unsatisfactory
Typically Offered: Spring.

IDT 7850 - Independent Study in Bioethics, Medical Humanities or Health Law (1-6 Credits)
Course is designed to meet the needs of students interested in conducting advanced studies of issues and topics in bioethics, medical humanities, or health law. Students will work under the direction of the course director on a specific research topic. Course Restrictions: Permission of the instructor. Repeatable for credit within the degree program, but not within the same term. Max credits - 6.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

IDT 8890 - Clinical Experience for CTSI PhD Students (1 Credit)
Each student will identify a clinician mentor who will develop/direct clinical experience tailored to student’s thesis research. It may include participation in relevant clinical conferences, a direct clinical experience, clinical research, and preparation of a clinical research protocol. Prereq: IDT 7805 & 7646, EPID 6630, BIOS 6601 or equivalent. Restrictions: PhD Graduate Students.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

PACL 6110 - Basic Pain Assessment & Management: IDT Care (3 Credits)
This course reviews basic pain pathophysiology, assessment, non-pharmacological interventions, and non-opioid and opioid pharmacological pain management. Integrated with IDT topics related to pain such as psychological, social & spiritual distress and ethical standards of practice.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PACL 6120 - Advanced Concepts in Pain Management (3 Credits)
This course focuses on methadone, opioid infusions, interventional pain management, and other complex modalities. This class focuses on ethics and psychosocial issues including pain in the face of addiction and public policy around opioids and REMS. Prerequisites: PACL 6110 and 6510
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

PACL 6210 - IDT Care for Symptoms: Part A (3 Credits)
Course covers the assessment and management of eight common non-pain symptoms (e.g. anorexia, asthenia, constipation and nausea/vomiting). Integrated with IDT topics related to symptom assessment/management such as psychological, social & spiritual distress and ethical standards of practice.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

PACL 6220 - IDT Care for Symptoms: Part B (3 Credits)
This course covers the assessment and management of eight different common non-pain symptoms (e.g. dyspnea, cough, and insomnia). Integrated with IDT topics related to symptom assessment/management such as psychological, social & spiritual distress and ethical standards of practice.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.
PALC 6310 - Advanced Illness in Special Settings: Part A (3 Credits)
Assessment/management of 8 chronic illnesses (cardiopulmonary, end stage liver and renal diseases) emphasis on early PC combined with disease focused therapy. Attention: prognostication and transitions into palliative/hospice care or discontinuing treatments including bioethical review and IDT support. Prerequisite: PALC 6510
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

PALC 6320 - Advanced Illness in Special Settings: Part B (3 Credits)
Assessment/management of cancer and HIV as chronic illness with emphasis on early palliative care combined with disease focused therapy. Attention to prognostication, transition into palliative/hospice care. Paired with Spiritual Care review of challenging spiritual issues, hope, miracles and rituals. Prerequisite: PALC 6510
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

PALC 6330 - Advanced Illness in Special Settings: Part C (3 Credits)
Assessment/management of neurodegenerative disorders as chronic illness with emphasis on early palliative care combined with disease focused therapy. Attention to prognostication and transitions into palliative/hospice care. Paired with bioethical review and comfort care for the imminently dying. Prerequisite: PALC 6510
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

PALC 6410 - Death & Dying: Unique Role of the AHP (3 Credits)
This course focuses on methadone, opioid infusions, interventional pain management, and other complex modalities. This class focuses on ethics and psychosocial issues including pain in the face of addiction and public policy around opioids and REMS. For AHP students only.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

PALC 6510 - Palliative Care Core Concepts - Principles, & Communication (3 Credits)
Online and on-campus intensive (some physical presence required) on palliative care topics including: models of care, early palliative care integration, whole person assessment, meaning of illness, and demonstration of advanced communications skills. Special focus on treatment plans with simulated patients/families. Requirement: Restricted to PALC MS or certificate students
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

PALC 6511 - Online: Core Concepts, Principles & Commun. Skills (2 Credits)
Online discussion of palliative care topics including: models of care, early palliative care integration, whole person assessment, meaning of illness, and demonstration of advanced communications skills. Special focus on treatment plans with simulated patients/families. Co-Requisite: PALC 6512
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6512 - Intensive: Core Topics, Principles & Commun. Skills (1 Credit)
On-campus, in-person intensive (physical presence required) discussion of palliative care topics including: models of care, early palliative care integration, whole person assessment, meaning of illness, and demonstration of advanced communications skills. Special focus on treatment plans with simulated patients/families. Co-Requisite: PALC 6511
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6520 - Communication Skill Refinement: IDT Collaboration (3 Credits)
Online and on-campus intensive (some physical presence required). Advanced topics in PC including refinement of advance PC skills covered Year 1 (e.g. communication) to ensure effectively application to your PC practice; demonstration of psychosocial spiritual assessment integrated in treatment plans with simulated patients/families. Prerequisite: PALC 6510
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

PALC 6521 - Online: Comm. Skill Refinement: IDT Collaboration (2 Credits)
Online. Advanced topics in PC including refinement of advance PC skills covered Year 1 (e.g. communication) to ensure effectively application to your PC practice; demonstration of psychosocial spiritual assessment integrated in treatment plans with simulated patients/families. Co-Requisite: PALC 6522
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6522 - Intensive: Comm. Skill Refinement: IDT Collaboration (1 Credit)
On-campus, in-person intensive (physical presence required). Advanced topics in PC including refinement of advance PC skills covered Year 1 (e.g. communication) to ensure effectively application to your PC practice; demonstration of psychosocial spiritual assessment integrated in treatment plans with simulated patients/families. Co-Requisite: PALC 6521
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6531 - Online: Palliative Care Integrated in Your Community (2 Credits)
Online. Demonstrate advanced PC communications skills & management of complex pain and symptoms; apply ethical training and practical experience with supportive interventions to help preserve dignity, achieve closure and have peace at life's end. Co-Requisite: PALC 6532
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.

PALC 6532 - Intensive: Pall Care Integrated in Your Community (1 Credit)
On-campus, in-person intensive (physical presence required). Demonstrate advanced PC communications skills & management of complex pain and symptoms; apply ethical training and practical experience with supportive interventions to help preserve dignity, achieve closure and have peace at life's end. Co-Requisite: PALC 6531
Grading Basis: Letter Grade
Typically Offered: Fall, Spring, Summer.
complaints, and grievances on an informal basis. These efforts will be an informal complaint or grievance process.

The intent of the academic appeal procedure is to assure fairness and the following procedures address those student appeals and grievances arising from suspension, termination/dismissal based on unsatisfactory academic performance as reported to the Graduate School by affiliated programs. The Graduate School cannot reverse academic decisions made by programs, schools, or colleges. The Graduate School is not involved in grievance processes related to issues not related to suspensions or dismissals, but will be happy to assist with mediating discussions or grievances between students and programs or schools/colleges.

The intent of the academic appeal procedure is to assure fairness and due process to all involved parties. Good faith efforts should always be made by students, faculty, and administration to settle all appeals, complaints, and grievances on an informal basis. These efforts will include conferences between those people who are directly involved in the conflict as well as others who are perceived as possibly helpful for solving the issue at hand.

**Academic Grievance and Appeals Process**

The following procedures address those student appeals and grievances arising from suspension, termination/dismissal based on unsatisfactory academic performance as reported to the Graduate School by affiliated programs. The Graduate School cannot reverse academic decisions made by programs, schools, or colleges. The Graduate School is not involved in grievance processes related to issues not related to suspensions or dismissals, but will be happy to assist with mediating discussions or grievances between students and programs or schools/colleges.

- **Lack of Progress:** Students failing to meet program progression criteria, such as failure to pass courses, not completing remaining work related to grades of incomplete in time, or some other programmatic issues, would fall into this category. Students in this category may be suspended or terminated/dismissed as defined by the corresponding criteria below.

  - **Suspension:** Removal of the student from the graduate program for a defined period of time and/or the specification that a student must fulfill certain requirements before re-admission or reinstatement will be considered. While suspended, the student is not entitled to attend classes, use University facilities, participate in University activities, or be employed as a student by the University. Special conditions may be stipulated for reinstatement at the conclusion of suspension. The student is not in good standing with the University during the term of the suspension. Per this policy, students terminated have the right to appeal their suspension in writing within one week.

  - **Termination/Dismissal:** Terms used synonymously to refer to a student being withdrawn from a graduate program and Graduate School. Official notification is sent to students by email with delivery/read receipt upon request, or as necessary. Per this policy, students terminated have the right to appeal their dismissal in writing within one week. As with a suspension, the student is no longer entitled to attend classes, use University facilities, participate in University activities, or be employed by the University as a student.

Graduate programs and students should be in continuous communication. To assist this process, graduate programs have developed programmatic handbooks and students are responsible for following the policies and procedures outlined in program handbooks and in the Graduate School's Policies and Procedures. Ignorance of the guidelines and procedures will not constitute an affirmative defense in an appeals process.

**General procedures**

1. Students should be informed in writing by the relevant instructor, faculty committee, Program Director, or appropriate Dean that he/she is not meeting the academic requirements to continue in the graduate program. Written notices of course failures, unsatisfactory program progress, and intent to request dismissal or suspension from the Graduate School are distributed by the specific Program Director to the involved student, the student's academic advisor, the program progression's committee (if available), and appropriate Deans.

2. Should the student disagree with the decision to terminate progression in the program based on unsatisfactory academic performance, the student should initiate a conference with the involved person(s) to determine if the disagreement can be resolved within 2 weeks.

3. If the results of the first conference are not acceptable to the student, the student informs the involved faculty within 1 week and requests a conference with the involved faculty and Program Director or school administrator. NOTE: This step is required only in situations in which the Program Director and/or school administrator have not already approved or concurred with the initial notice of failure or intent to suspend or dismiss from the program. If the student still does not
agree with the decision of the graduate program, the student should follow whatever grievance or appeal procedures are in place within the school or college housing the program. The Graduate School Dean can be called on to advise in this process.

4. If the consensus of the program is still that the student should be terminated/dismissed or suspended, the Program Director or Chairperson notifies the Graduate School and appropriate school Dean and recommends the student’s dismissal or suspension. The email or letter should outline the reason for the dismissal or suspension and steps taken up to that date. If suspension is recommended, the recommendation also includes specific criteria for the term of the suspension and requirements for reinstatement.

5. The Graduate School and appropriate school/college Deans will review the student’s academic record and the information submitted by the program to ensure that the student has received due process. If the student’s academic record and/or submitted information support termination/dismissal, the student will be dismissed from the program and the Graduate School. If suspension is recommended and supported by the academic record and submitted information, the student will be suspended per the request. The student will be notified of any termination/dismissal or suspension decisions by the program via email with delivery and read receipts.

Written Appeal Procedure

1. Should the student wish to appeal the Graduate School’s decision, the student should submit a written response to the Dean of the Graduate School within 1 week of receiving the written notice of suspension or termination/dismissal. The appeal should include rationale for the appeal and desired outcome. The student may meet with the Office of Student Affairs and working with them, request a personal interview with the Graduate School Dean to discuss the situation after they have submitted their written appeal.

2. The final decision rests with the Dean of the Graduate School. At the Dean’s discretion, he/she may discuss the Graduate School Dean’s decision with the involved faculty and student’s program, as well as any other persons affected by the recommended resolutions.

3. The Dean of the Graduate School will notify the student of final decision by email with delivery and read receipts. This will normally be within 10 working days of submission of the appeal or interview with the student (whichever falls last). In cases where consultation with others to mediate the outcome are necessary, this process could take longer and the Dean will notify the student of the reasons and timeline, when known. The decision of the Dean of the Graduate School is final.

4. The Dean shall notify the appropriate CU Registrar of the change in the student’s academic status and order the Registrar to suspend the student’s registration.

Academic Honor Code

Academic Integrity Expectations

Please refer to the Academic Honor and and Conduct Code definitions at the CU Anschutz Medical Campus Catalog Website (https://catalog.cuanschutz.edu/cu-anschutz/university-policies/).

Honor Code Guidelines

Education at the CU Anschutz is conducted under the honor system. All students who have entered graduate and health professional programs should have developed the qualities of honesty and integrity, and each student should apply these principles to his or her academic and subsequent professional career. All students are also expected to have achieved a level of maturity which is reflected by appropriate conduct at all times. Expectations, definitions, and procedures regarding graduate student conduct are outlined in the Code of Conduct.

Academic Honesty

Students should adhere to the highest standards of academic honesty and integrity, to include completing individual work as assigned, adhering to department requirements, accurately documenting sources of information and records, and engaging in personal conduct both on and off campus that reflects well on the University, your professional duties, and your ability to perform in classroom and/or laboratory environments. Examples of behavior that violates these standards include: plagiarism (including the undocumented use of internet and web-based information), cheating, illegitimate possession and/or use of examinations, violation of the ethical standards for conducting research, and falsification of official records.

Professional Conduct

As current and/or future professionals, students are expected to adhere to the highest standards of professionalism during their academic career. This means that students adhere to the professional and ethical standards of their respective fields, and the academic and honor code expectations for the CU Anschutz Graduate School.

The CU Anschutz Graduate School has a commitment to accepting a diverse culture and highly values multiple perspectives. This means that not only is discrimination of any form unacceptable, but the University upholds the expectation that students remain open-minded, and respectfully discuss and interact with diverse backgrounds and perspectives.

Examples of unprofessional conduct include misrepresentation of effort, credentials, or achievement in either the academic or professional setting; any action which compromises the quality or safety of consumer care; violation of confidentiality; and any other conduct unbecoming a professional practitioner or researcher. When conducting research, individuals need to comply with research guidelines established by the IRB.

Although it is not possible to list every situation that violates the Academic Integrity Expectations of the Graduate School at University of Colorado Anschutz Medical Campus, the following examples will provide a reference point:

- Academic Dishonesty
- Complicity with Academic Dishonesty
- Plagiarism
- Cheating
- Fabrication and Falsification
- Submission of the same papers more than once or for different classes
- Misuse of Academic Materials
- Any conduct, both on and off campus, that interferes with the student’s ability to perform his/her classroom, laboratory, or professional duties or reflects poorly on the University
- Violation of any University of Colorado, Anschutz Medical Campus, or Graduate School policy
Relationship of Honor Code to Local, State, and Federal Laws

The University adheres to all applicable local, state and federal laws, and cooperates with law enforcement officials in all matters. Any alleged violation of local, state or federal laws will be referred to the appropriate law enforcement agency and such laws have precedence over the provisions of this policy.

Reporting Violations of the Honor Code

The primary responsibility for reporting violations of the student honor code rests with the individual who has committed the violation. However, fellow students and members of the faculty and staff also share in this responsibility. Students, faculty, and staff must report violations of the Honor Code to the Graduate School. As part of the orientation process, each student is required to electronically sign an agreement to adhere to the Honor and Conduct Codes.

Guidelines for Implementation of the Student Honor Code

Members of the Graduate School community, including faculty and students, accept the responsibility to maintain the highest standards of intellectual honesty and ethical and professional conduct. Upon admission, all students in the Graduate School electronically review or receive a copy of the Graduate School guidelines and procedures for implementing the Graduate School Honor Code. Students indicate their willingness to adhere to the Code by electronically signing the acknowledgment form. Ignorance of the guidelines and procedures may not constitute an affirmative defense to a violation of the Honor or Conduct Codes. All questions or concerns regarding the Honor and Conduct Codes should be directed to, the appropriate Graduate School office.

CU Anschutz location: Building 500, C5000G

The Graduate School has developed the following guidelines and procedures to review alleged violations of the Student Honor Code and to make recommendations concerning violations of the Code. Alleged violations by faculty or students of the Code are first reported to the Dean or Associate Dean. Normally, disciplinary action should not be taken against the alleged violator until the Honor Code Committee and Associate Dean have reviewed the case and made a recommendation to the Dean; however, if the alleged violation threatens the welfare or safety of others or is against the law (see Relationship of Code to the Laws above), appropriate action should be taken immediately.

Honor Code Committee

The committee generally consists of four faculty members and one student representative.

The faculty members are selected on an ad hoc basis from outside the school of the alleged violator(s). The student representative is also selected on an ad hoc basis from a different program and school than the alleged violator(s). Faculty selected to serve in this ad hoc capacity commit to be available to serve for a two year period as needed. Students commit to one year. Faculty and students can be reappointed for additional terms. The Chairperson of the committee will be one of the faculty members and will be elected by the Committee. Decisions of the committee shall be reached based upon a simple majority vote. The primary focus of this advisory committee is to examine alleged violations of the honor code as defined above, to hear testimony, and to make recommendations to the Associate Dean as appropriate. All matters referred to the Student Honor Code Committee shall be confidential to the extent practical and permitted by law, throughout the proceedings. Note: Issues regarding violations of student conduct will be considered under guidelines as outlined in the Code of Student Conduct. Issues related to academic grievance or suspension will be dealt with as outlined in the procedure in Appendix B of the Graduate Student Handbook.

Procedures

The Honor Code Committee will be convened as necessary by the Associate Dean. The Honor Code Committee shall follow these guidelines to the extent possible. However, the Committee reserves the right to modify these procedures if necessary based on extraordinary circumstances to be determined on a case-by-case basis.

1. Faculty, staff, and other students have the responsibility to report alleged violations of the Student Honor Code. The failure of a student to report an observed violation of the honor code may constitute a violation of the honor code and may subject the observer to an honor code proceeding. Any reasonable suspicion of a violation of the Student Honor Code shall be reported to the Graduate School Associate Dean. All charges must be submitted in writing. Normally, disciplinary action will not be taken against the alleged violator until the Student Honor Code Committee has deliberated. However, if the alleged violation threatens the welfare or safety of others, or is against the law, the Graduate School Dean or designee will take appropriate action if necessary (e.g., immediate suspension).

2. If the reporting party is a student who has evidence that another student has violated the Student Honor Code, he/she may meet with the student to discuss the issue. The reporting party may seek the counsel of a neutral person such as the Campus Ombudsperson or another professor. The reporting party or a third party representing the reporting party shall give the student the opportunity to self-report. If the student refuses to self-report, the party shall report the suspicion to a professor, the Program Director, or School Associate Dean. The party must submit a written statement, including evidence, in writing to the Graduate School Associate Dean within 5 working days of discussing the situation with the student.

3. If the reporting party is a faculty member who has evidence that a student has violated the Student Honor Code, he/she may meet with the student to discuss the issue. The faculty member may seek the counsel of a neutral person such as the Campus Ombudsperson or another professor. The reporting party or a third party representing the reporting party shall give the student the opportunity to self-report. If the student refuses to self-report, the faculty member shall report the suspicion to their graduate Program Director or School Associate Dean. That party must submit a written statement, including evidence, in writing to the Graduate School Associate Dean within 5 working days of discussing the situation with the student.

4. The Associate will review the information submitted concerning the alleged violation. If the student(s) has been confronted with the violation and admits having violated the honor code, the case may be referred immediately to the Associate Dean for review and action. If there is no admission of wrongdoing, the case will be referred to the Honor Code Committee for a hearing. The Associate Dean will coordinate the hearing process.

5. When an alleged violation is referred to the Honor Code Committee, the reporting party and student(s) will be notified of the charges in writing within 10 working days of the date of referral to the Committee and the date of the scheduled hearing.

6. The Honor Code Committee will hold a hearing. The Associate Dean will coordinate the activities of the Committee and attend the hearings as a non-voting observer. The hearing will be held, if
possible, within thirty 30 days of the student(s) being notified of the alleged Honor Code violation. (a) The student(s) shall have the opportunity to submit a written pre-hearing statement in response to the charges. (b) The student(s) shall have the opportunity to review any evidence against him/her prior to the hearing upon submission of a written request to the Associate Dean. (c) The reporting party shall also have the opportunity to review any evidence presented by the student(s) so they might clarify or update their statements prior to them being given to the Honor Code Committee. Full transparency shall be provided to all parties for evidence provided to the Committee.

The student accused of violating the Honor Code will be given an opportunity to be heard during the hearing and to present any evidence or witness he/she wishes. The reporting party may either attend the proceedings in person or submit a statement of the incident in lieu of personally attending the hearing. The Committee shall have no power to compel any individual to testify.

Legal counsel will not be present for either the student or the University parties.

The student may have a representative of her/his choice present at the hearing for advice and/or support during the proceedings. This representative shall not advocate on behalf of the student.

If the student has been properly notified of the charges and the date of the hearing yet elects not to attend, the hearing will proceed in his or her absence.

The Committee shall keep an adequate record of the hearing. Evidence will be reviewed during the hearing, the allegation of a violation must be proven using the standard of a preponderance of the evidence.

7. Following the hearing, the Student Honor Code Committee will discuss the proceedings outside the presence of the parties and determine a course of action to follow with respect to the student in question. Upon a majority vote of the Honor Code Committee, they will make their recommendation in writing to the Graduate School Associate Dean, which may include but is not limited to the following actions:

- Take no action against the student based on a finding of no violation.
- Place the student on disciplinary probation for a specified period of time.
- Suspend the student’s registration at the University of Colorado, including Extended Studies, for a specified period of time.

If the Committee is unable to reach a majority opinion on whether the student violated the Honor Code and what, if any, discipline should occur, the Chairperson will act as the tiebreaker.

8. A record of all documents associated with the case and a record of the action taken will be kept in a file in the Associate Dean’s office.

9. The Associate Dean will review the decision of the Committee and notify the student(s) of her/his decision by email with delivery and read receipts within 5 working days of the hearing. The reporting party will also be notified by email of the decision.

10. The Associate Dean will only reverse or modify the findings and recommendations of the Honor Code Committee if he/she concludes by a preponderance of the evidence that one of the following situations exists: (a) new information regarding the student’s alleged violation of the Honor Code which was previously unknown to the student or the Committee is discovered; (b) there was an error in the process that prevented the student from presenting relevant information to the Committee that could have materially changed the Committee’s decision; or (c) there is evidence that the Honor Code Committee acted in an arbitrary or capricious manner.

11. If the student wishes to appeal the decision in the case, the appeal along with the rationale for the appeal shall be submitted in writing to the Graduate School Dean within 7 working days after the letter notifying the student of the Associate Dean’s decision has been sent by email with delivery and read receipts. The Dean will review the appeal within 14 working days and notify the student of the decision by email with read and delivery receipts. Should extenuating circumstances necessitate an extended review or additional time, all parties will be notified. The decision of the Dean is final.

12. If the student is suspended, terminated/dismissed, or otherwise unable to continue his or her academic studies either temporarily or permanently because of disciplinary or other action, the Dean shall notify the appropriate CU Registrar of the change in the student’s academic status and order the Registrar to suspend the student’s registration.

**Conflict of Interest Policy**

**Conflict of Interest Policy for Graduate Students who Hold Other Positions at CU Anschutz**

Graduate students may hold employment positions within the University of Colorado Anschutz Medical Campus in addition to their positions as graduate students at CU Anschutz. When this situation occurs, there is the potential for conflicts of interest to arise. This policy governs such situations.

- A graduate student may not also be a regular faculty member (Instructor or above) in the same program in which s/he is enrolled as a student.
- If two individuals exist in a student-faculty relationship in a graduate program, they may not both hold faculty (Instructor or above) appointments in the same graduate program, even though that graduate program is different from the one in which the student is enrolled.
- Recent graduates can be granted a graduate faculty appointment in the graduate program from which they graduated. In this situation, the new faculty member must not direct courses taken by individuals who were students when the new faculty member was also a student. (In programs where independent student cohorts exist, then the new faculty member must not direct a course taken by students from his/her cohort.) The new faculty member may not serve on an examination committee of any individual who was a student in the program (regardless of cohort) when the new faculty member was still a student.
- A faculty member who employs a graduate student as a PRA:
  - Can be an “in” graduate faculty member of the student’s program and can serve on the student’s graduate degree examination committee(s) with the approval of the Graduate Program Director; or
  - Can serve as an additional (but not sole) “outside” graduate faculty member of the student’s program and examination committee with the approval of the Graduate Program Director; but
  - Cannot serve as Chair of the student’s examination committee(s).
- Despite the allowable participation on examination committees described above (#4), the Graduate School discourages such
Student Email Policy

Purpose of the Policy
There is an expanding reliance on electronic communication among students, faculty, staff and administration at the University of Colorado Anschutz Medical Campus Graduate School and in other schools on campus. Because of this increasing reliance and acceptance of electronic communication, email is considered an official means for communication within CU Anschutz Graduate School.

Implementation of this policy ensures that students have access to this critical form of communication. For the majority of students, this will not represent any change from what is currently done; it will, however, ensure that all students can access, and be accessed by, email as the need arises.

Scope
The student email policy provides guidelines regarding the following aspects of email as an official means of communication:

- University use of email;
- Assignment of student email addresses;
- Student use of and responsibilities associated with assigned email addresses; and
- Expectations of email communication between faculty and student and staff and student.

Policy

- University use of email
  Email is an official means for communication within CU Anschutz Graduate School. Therefore, the University of Colorado Anschutz Graduate School has the right to send communications to students via email and the right to expect that those communications will be received and read in a timely fashion.

- Assignment of student email address
  Information Systems (IS) will assign all students an official University email address. It is to this official address that the CU Anschutz Graduate School will send email communications; this official address will be the address listed in the University’s Global Address List for that student.

- Redirecting of email
  CU Anschutz email cannot be electronically redirected to another email address. Support is available for setting email clients to read multiple accounts. Please go to the Health Sciences Library for information on how to set up your computer to receive multiple email accounts. The University will not be responsible for the handling of email by outside vendors or by departmental servers.

- Expectations regarding student use of email
  Not reading email does not absolve a student from the responsibilities associated with communication sent to his or her official email address. Students are expected to check their official email address on a frequent and consistent basis in order to stay current with University communications (at a minimum, once a week). Students have the responsibility to recognize that certain communications may be time critical. “I didn’t check my email,” error in forwarding email, or email returned to the University with “Mailbox Full” or “User Unknown” are not acceptable excuses for missing University communication sent via email.

- Educational uses of email
  Faculty will determine how email will be used in their classes. It is highly recommended that if faculty have email requirements and expectations they specify these requirements in their course syllabus. Faculty can make the assumption that students’ official email addresses are being accessed, and faculty can use email for their courses accordingly.

- Appropriate use of student email
  a. All use of email including use for sensitive or confidential information, will be consistent with the Electronic Communications Policy. See https://www.ucdenver.edu/docs/librariesprovider284/default-document-library/3000-general-admission/3019a-electronic-communications–cu-anschutz.pdf?sfvrsn=686c59bb_2
  b. Confidentiality regarding student records is protected under the Family Educational Rights and Privacy Act of 1974 (FERPA). All use of email, including use for sensitive or confidential information, will be consistent with FERPA.
  c. Email shall not be the sole method for any legal notification, action, or correspondence.

- Procedures
  The Office of the Assistant Vice Chancellor for Information Systems will review this policy as needed. Changes will be authorized by the approval of the Dean and the Assistant Dean.

- References
  This policy complies with the guidelines as found in: Family Educational Rights and Privacy Act, UCD Registrar; UCD’s Information Technology Services, Rights and Responsibilities https://www.ucdenver.edu/registrar/student-resources/ferpa; University of Colorado System, Use of Electronic Mail Policy: http://www.cusys.edu/policies/General/email.html; University of Colorado System, Student Rights to privacy of Educational Records: http://www.cusys.edu/policies/Academic/studentrights.html

Format Guidelines for Theses & Dissertations

Graduate School Acceptable Use Policy

Introduction
The purpose of the acceptable use policy is to establish processes and guidelines to all staff members in Graduate School, including full time staff, part time staff, and temporary staff (includes contractors, temps and students). The user shall only be granted access to the minimum necessary data that they require to perform their duties.

Policy Statement
The use and access of Graduate School information systems is restricted to appropriately identified, validated and authorized individuals. The following subsections outline the requirements for gaining access to Graduate School information systems.

Workstation Use and Security

- Each workforce member must use a unique user name and strong password to access their workstation and subsequent data both locally and via server.
• Computer workstations accessing FERPA data must maintain security configurations that restrict access to data to only those workforce members that have been legitimately granted access. Recommended security configurations include, but are not limited to:
  • Enabling a password protected screen saver
  • Setting computers or applications to automatically terminate a computing session after a set period of idle time
  • The use of campus standard anti-virus products
  • Applying security patches to computer software applications and operating systems
  • When CU Anschutz stores, shares, and syncs work files internally or externally, it is important that the confidentiality, integrity, and availability of that data be preserved. OneDrive can be used to store, share, and sync work files internally or externally with the following guidance:
    • Password must contain letters from at least three out of the following five categories: Uppercase alphabetic characters (A-Z); Lowercase alphabetic characters (a-z); Numerals (0-9); Non-alphanumeric characters (for example: !, $, #, or %); Unicode characters.
    • Password must not contain any of user ID, first name, or last name when their length is larger than 2.
    • Password must not be one of the 12 previous passwords.

Unit Responsibilities

• Unit educates their workforce members on the unit’s specific procedures and requirements as necessary. Training requirements for gaining access to Unit Information Systems are listed below.
  • Required SkillSoft courses in UCDAccess once beginning employment term:
    • CU: Information Security and Privacy Awareness (u00063)
    • CU: FERPA (u00049)
  • Per OIT’s Active Directory compliance, users must create a password to meet OIT’s standards for mail, AD, domain access, etc. This password is changed each quarter, and must be different from the previous 12 passwords. See password policy below.

  • Password must be at least 8 characters in length.
  • Password must contain letters from at least three out of the following five categories: Uppercase alphabetic characters (A-Z); Lowercase alphabetic characters (a-z); Numerals (0-9); Non-alphanumeric characters (for example: !, $, #, or %); Unicode characters.
  • Password must not contain any of user ID, first name, or last name when their length is larger than 2.
  • Password must not be one of the 12 previous passwords.

User Responsibilities


• CU Denver|Anschutz workforce members shall follow the provisions of the CU Denver|Anschutz OIT Security Computing policy in regard to guarding against, detecting, and reporting malicious software

• CU Denver|Anschutz workforce members shall not attempt to alter audit records or avoid accounting for computing services. (See CU Denver Information Systems’ Appropriate Use Policy (AUP) (http://www.ucdenver.edu/faculty_staff/employees/policies/Policies%20Library/DDC/Computing/Acceptable-Use-of-Information-Technology-Resources-Policy-v5-Mar-20-2014.pdf) )

• CU Denver|Anschutz workforce members shall not use CU Denver|Anschutz resources to develop or execute programs that could infiltrate the systems or alter the software components of the workstations.

• CU Denver|Anschutz workforce members must follow the Portable Media Security Policy. Portable media can include, but is not limited to, laptops, mobile devices such as personal digital assistants (PDAs) or other types of wireless handheld devices, USB flash drives, memory sticks, and any other portable device used to store or transport data.

• CU Denver|Anschutz workforce members must follow the Visitor Control guidelines outlined in the Access Control Policy when visitors are on-site.

• All members of the CU Denver|Anschutz workforce are reminded to wear their badges while on University property.

Action

All suspected policy violations, workstation compromise, virus infections, and other conditions which might jeopardize CU Denver|Anschutz information systems, data, or business must be immediately reported to the OIT Security Office.

IT Access Control Policy

Introduction

The purpose of the access management section is to establish processes to control access and use of Graduate School information resources. Access management incorporates Role Based Access Controls (RBAC), privileged user access, access definitions, roles, and profiles. The user shall only be granted access to the minimum necessary information that they require to perform their duties.

Policy Statement

The use and access of Graduate School information systems is restricted to appropriately identified, validated and authorized individuals. The following subsections outline the requirements for gaining access to Graduate School information systems.

Additional Resources:

• OWASP Access Control Cheat Sheet: https://github.com/OWASP/CheatSheetSeries/blob/master/cheatsheets/Access_Control_Cheat_Sheet.md


• OWASP Cheat Sheet Collection: https://github.com/OWASP/CheatSheetSeries

Access Control Procedures

Systems must develop, adopt or adhere to a formal, documented access control procedure that addresses purpose, scope, roles, responsibilities, management commitment, coordination among organizational entities, and compliance.
Account Management-User Access

- Access management to information systems to be granted (ex. passwords, etc)
  - Graduate School relies on OIT authentication systems (AD, etc.) to authorize users of the University of Colorado Denver|Anschutz computing resources.
  - The GS IT Admin adjusts user permissions based on requests of their supervisors for server shares.
  - Default passwords are to be changed or disabled, replaced with secure passwords
- Responsible party for monitoring and reviewing access rights
  - GS IT Admin reviews access rights upon every new hire, every termination, and at a bi-annual schedule, after each semester.
- Access and use of systems resources and subsequent monitoring (project space/ application/storage, remote access, mobile devices, etc.)
  - Systems are audited internally every semester, reviewing security groups and users on GS domain
  - Users with edit access on web pages are also reviewed
  - Remote access is limited to access via GlobalProtect VPN hosted by OIT
  - Off-boarding process for users that are no longer working on the project, terminated, or have a change in job role.
  - User’s supervisor notifies and submits request to GS IT Admin
  - GS IT Admin removes user from security groups, using the concept of least privilege, or removing altogether if terminated
- GAIA access has always been granted to Departmental and Program administrators upon request (desire to use GAIA for data storage and reporting). Users are only given as much access as required (typically level 4 for admins). Faculty are also given access, but with a lower level (2).

Workstation Use and Security

- Each workforce member must use a unique user name and strong password.
- Computer workstations must maintain security configurations that restrict access to only those workforce members that have been legitimately granted access. Recommended security configurations include, but are not limited to:
  - Enabling a password protected screen saver;
  - Setting computers or applications to automatically terminate a computing session after a set period of idle time;
  - The use of campus standard anti-virus products;
  - Applying security patches to computer software applications and operating systems.

Physical Access

- Facility Access Controls
  - Facility security consists of:
    - On both campuses, the Graduate School is locked down outside the hours of 8am-5pm, requiring approved card access.
    - Upon entry, each office and subsequent equipment is further protected by physical lock-and-key.
- Access Control
  - Access determinations must be based on the workforce member’s role or function within the unit. Determinations of access should take into account at what time(s) access will occur and under what conditions.
- Unit managers or supervisors will work with the Badging and Security Services Security Badging Office/Electronic Security Department to request and recommend access for each member of the unit workforce. For specific access forms, contact the Badging and Security Services Security Badging Office/Electronic Security Department at (303) 724-0399.
- If a workforce member’s access needs change or end, the unit manager or supervisor must work with the Electronic Security Department to modify or terminate the member’s access.
  - Anschutz Medical Campus
    - Associate Dean works with Electronic Security Department to enable/disable access based on new employment, termination, or move within CU.
    - The supervisor or HR advisor submits the request to Associate Dean, who funnels all requests accordingly
    - The unit manager or supervisor must ensure that access is limited to what is appropriate for the workforce member’s job function.

Validation Procedures

- Once an individual’s facility access has been determined and recommended by the individual’s supervisor, validation of identity is performed by the Badging Office.
- All members of the CU Denver/Anschutz workforce are reminded to wear their badges while on University property.
- Maintenance Records
  - The Badging and Security Services Security Badging Office/Electronic Security Department is responsible for maintaining records on all installations, repairs, or replacements of access control devices at a building or campus-level.

User Responsibilities

- Graduate School educates their workforce members on the Graduate School’s specific procedures and requirements as necessary. Each Unit will educate users on the Acceptable Use Policy specific to their environment.
  - See Acceptable Use Policy, section E
  - Please explain your unit’s training requirements for gaining access to Graduate School Information Systems.
  - See Acceptable Use Policy, section D

Graduate School Access Review

Review accounts on a periodic basis, but no less than every 6 months.

Graduate School Policy Review

Review and update policy and procedures on an Annual basis.

Document Retention

All unit procedures, documentation of decisions made, information system activity reviews, and investigations conducted pursuant to this policy must be retained for a period of no less than six (6) years from the date the policy was last in effect or from the date the decision or investigation was made.

Graduate School Policies & Procedures

Please reference the documentation on the Graduate School website at https://graduateschool.cuanschutz.edu/docs/librariesprovider138/denver-anschutz-graduate-school/resources/gs-policies-and-procedures.pdf?sfvrsn=303d71bb_8
Inclement Weather Policy

Snow Policy
In the event of inclement weather the Graduate School staff, its faculty and students will follow the University closure announcements and schedule. If the university remains open, the faculty, administrators, and staff will be expected to make every reasonable effort to maintain their regular work schedules, but are advised to exercise their judgment and avoid undue risks in traveling. Employees who anticipate arriving late or not arriving at work at all should notify their immediate supervisor. Additional information on weather closures can be found at https://www.cu.edu/employee-services/collaborative-hr-services/cu-system/time/weather-closures

Delayed Opening
In the event of a delayed opening, the specific time of opening will be announced to the campus community through the local media, email and text messages. All faculty and staff are expected to report to their regularly scheduled classes. In a delayed opening, all classes scheduled prior to the set time of opening are cancelled. Students will be responsible for any academic work missed due to absences caused by severe weather conditions. It is the individual student’s responsibility to take the initiative to make up any missed class work. It is the faculty member’s responsibility to provide a reasonable opportunity for students to complete assignments or examinations missed due to inclement weather. Faculty members have discretion in determining whether additional classes will be added for the class or if additional work is assigned due to a closure or delayed opening.

Early Closure
In the event that weather conditions become unfavorable during the day and necessitate the early closure of the campus or the school, classes will be cancelled for the remainder of the day. Should this decision be reached by the Graduate School Dean prior to a formal announcement being made for an early campus closure, an email will be sent to all graduate students, graduate program administrators, and notification posted on the Graduate School website regarding an early closure.

Graduate School Acceptable Use Policy

A. Introduction
The purpose of the acceptable use policy is to establish processes and guidelines to all staff members in Graduate School, including full time staff, part time staff, and temporary staff (includes contractors, temps and students). The user shall only be granted access to the minimum necessary data that they require to perform their duties. The IT Acceptable Use Policy is available at https://www.ucdenver.edu/docs/librariesprovider284/default-document-library/5000-information-technology/5001--acceptable-use-of-information-technology-resources.pdf?sfvrsn=5bdf3ba_2

B. Policy Statement
The use and access of Graduate School information systems is restricted to appropriately identified, validated and authorized individuals. The following subsections outline the requirements for gaining access to Graduate School information systems.

C. Workstation Use and Security
a) Each workforce member must use a unique user name and strong password to access their workstation and subsequent data both locally and via server.

b) Computer workstations accessing FERPA data must maintain security configurations that restrict access to data to only those workforce members that have been legitimately granted access. Recommended security configurations include, but are not limited to:
   i) Enabling a password protected screen saver
   ii) Setting computers or applications to automatically terminate a computing session after a set period of idle time
   iii) The use of campus standard anti-virus products
   iv) Applying security patches to computer software applications and operating systems
   v) When Anschutz stores, shares, and syncs work files internally or externally, it is important that the confidentiality, integrity, and availability of that data be preserved. OneDrive can be used to store, share, and sync work files internally or externally with the following guidance.

   a) https://www1.ucdenver.edu/offices/office-of-informationtechnology/software/how-do-i-use/onedrive

D. Unit Responsibilities
a) Unit educates their workforce members on the unit’s specific procedures and requirements as necessary. Training requirements for gaining access to Unit Information Systems are listed below.
   i) Required SkillSoft courses in UCDAccess once beginning employment term: a) CU: Information Security and Privacy Awareness (u00063) b) CU: FERPA (u00049)
   ii) Per OIT’s Active Directory compliance, users must create a password to meet OIT’s standards for mail, AD, domain access, etc. This password is changed each quarter, and must be different from the previous 12 passwords. See password policy below.

   • Password Policy
   • Passwords must be at least 8 character(s) long.
   • Passwords must contain characters from at least three of the following five categories: Uppercase alphabetic characters (A-Z), Lowercase alphabetic characters (a-z), Numerals (0-9), Non-alphanumeric characters (for example: !, $, #, %), Unicode characters.
   • Password must not contain any of user ID, first name or last name when their length is larger than 2.
   • Passwords must not be one of 12 previous passwords.

E. User Responsibilities
a) CU Denver|Anschutz workforce members must observe the CU Denver Information Systems’ Appropriate Use Policy (AUP) which outlines expectations regarding the ethical and permissible use of CU Denver|Anschutz computing resources.

b) CU Denver|Anschutz workforce members must follow the provisions of the CU Denver|Anschutz OIT Security Computing

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policy in regard to guarding against, detecting, and reporting malicious software.

c) CU Denver|Anschutz workforce members shall not attempt to alter audit records or avoid accounting for computing services. (See CU Denver Information Systems’ Appropriate Use Policy (AUP))

d) CU Denver|Anschutz workforce members shall not use CU Denver|Anschutz resources to develop or execute programs that could infiltrate the systems or alter the software components of the workstations.

e) CU Denver|Anschutz workforce members must follow the Portable Media Security Policy. Portable media can include, but is not limited to, laptops, mobile devices such as personal digital assistants (PDAs) or other types of wireless handheld devices, USB flash drives, memory sticks, and any other portable device used to store or transport data.

f) CU Denver|Anschutz workforce members must follow the Visitor Control guidelines outlined in the Access Control Policy when visitors are on-site.

g) All members of the CU Denver|Anschutz workforce are reminded to wear their badges while on University property.

F. Action
All suspected policy violations, workstation compromise, virus infections, and other conditions which might jeopardize CU Denver|Anschutz information systems, data, or business must be immediately reported to the OIT Security Office.

Vacation & Leave Policy
GRADUATE SCHOOL POLICY FOR PHD STUDENT VACATION AND LEAVE
The Graduate School at the University of Colorado Anschutz Medical Campus (CU Anschutz) has established the following leave policy for PhD students who receive full-support stipends from CU Anschutz PhD programs (hereafter referred to as "graduate students"). Full-time graduate students (as defined in the Graduate School Policies and Procedures) in these programs are eligible for campus holidays, vacation, sick leave, and parental leave. Detailed below are the amounts of leave time allowable for students to maintain full-time student status, as well as leave reporting requirements.

LEAVE TYPES AND AMOUNTS

Vacation and Holidays. Graduate students shall receive all CU Anschutz campus holidays and may receive an additional 10 week days (excluding weekends) of vacation per annum, with no year-to-year accrual. Graduate students shall continue to receive stipends during vacations and holidays. Graduate students taking courses are expected to attend all classes and take all exams as scheduled. The times between academic terms and the summers are all considered active parts of the training period and leave must be taken in accordance with this policy. Graduate students supported via extramurally funded projects or training grants must comply with sponsor requirements regarding effort.

Sick Leave. Graduate students may continue to receive stipends for 11 week days (excluding weekends and campus holidays) of sick leave per annum, with no year-to-year accrual. Under exceptional circumstances, additional sick days may be granted following a written request from the student and approval by the student’s thesis advisor (if determined) and graduate program director. Sick leave may be used for medical needs related to pregnancy and childbirth. Graduate students supported via extramurally funded projects or training grants must comply with sponsor requirements regarding effort.

Parental Leave. Graduate students may continue to receive stipends for 8 work weeks (excluding weekends and campus holidays) of parental leave per annum for the adoption or the birth of a child. Either or both parents are eligible for parental leave. Graduate students must provide advance notification to their thesis advisor (if determined) and graduate program director prior to taking parental leave. Sick leave may supplement parental leave under the circumstances noted above. Graduate students supported via extramurally funded projects or training grants must comply with sponsor requirements regarding effort.

Unpaid Leave. Individuals requiring more than 11 week days (excluding weekends and campus holidays) of sick leave or more than 8 work weeks (excluding weekends and campus holidays) of parental leave must seek approval from their thesis advisor and their graduate program director for an unpaid leave of absence. A leave of absence must be requested by the student and approved by their thesis advisor (if known) and program in advance of taking the leave of absence. The leave period and conditions must be documented at the times of leave and of re-entry into the program. A copy of this agreement must be submitted to the Graduate School in advance of the leave of absence. Graduate students supported via extramurally funded projects or training grants must comply with sponsor requirements regarding effort.

Unused Leave at Termination. Upon graduation or termination, a graduate student forfeits all unused vacation, sick, and parental leave; there is no payout for remaining leave balances. Remaining leave balances cannot be transferred to other positions within the University of Colorado system.

LEAVE REQUESTS AND REPORTING
Graduate students are required to report leave requests (vacation, sick, and parental leave) in accordance with program-defined reporting processes. Reporting processes may include reporting requests to 1) their thesis advisor, 2) the program in which they reside, and/or 3) their thesis advisor’s home department or unit. It is the graduate student’s responsibility to identify the process for reporting leave.

Graduate students who have not yet joined a thesis lab (e.g., first-year graduate students) are advised to discuss with potential dissertation advisor’s expectations regarding vacation and leave. After a graduate student has selected their thesis advisor and joined the advisor’s research program, they must request and receive approval for vacation leave from their thesis advisor in advance of taking vacation leave. The graduate student must make all necessary arrangements in advance to cover any responsibilities that the graduate student has for the research program or for maintaining their ongoing experiments and/or resources (e.g., cell lines, animals). In all cases, graduate students supported via extramurally funded projects or training grants must comply with sponsor requirements regarding effort.

LEAVE DISPUTES
All leave disputes between graduate students and their thesis advisor and/or program must be resolved by graduate program leadership and/or the program’s home school/college.

Contact
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