BIOENGINEERING, MD-MS

Graduate School Policies and Procedures (http://catalog.ucdenver.edu/cu-denver/graduate/graduate-school-policies-procedures/) apply to this program.

Introduction

We offer an MD-MS in bioengineering in partnership with the University of Colorado Anschutz Medical Campus School of Medicine (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/school-medicine/). This dual degree option is available to current CU medical students only. Prospective students should contact the department at bioengineering@cuanschutz.edu as early in their medical school training program as possible for more information and advising.

Program Requirements

To meet the MS requirements of the dual MD/MS- BIOE, students must:

1. Complete a modified BIOE core (14 credit hours) + 1-2 electives (3-6 credit hours. Please note that exact course numbers are subject to change):
2. Complete BIOE 5020 and/or BIOE 5021 (Quantitative Core; 3-6 credit hours)
3. Complete the Technology Core (6 credit hours)
4. Complete BIOE 5040 – may satisfy the research ethics course requirement (2 credit hours)
5. Complete the elective requirement: any graduate-level class agreed to by the academic and/or research mentors
6. Conduct research and produce a project or thesis under the mentorship of an approved faculty member and earn six credit hours of BIOE 6960 or 6950 (project or thesis hours)
7. Establish a committee of at least two Graduate Faculty members to oversee the research and administer the final defense examination
8. Pass a final defense examination
9. MD/MS students will count the following classes towards their life sciences and clinical experiences core requirements, in lieu of BIOE 5041, BIOE 5010 & 5011 or equivalent:
   - Molecules to Medicine
   - Cardiovascular, Pulmonary and Renal Systems
   - Nervous System
   - Digestion, Endocrine and Metabolic

To learn more about the Student Learning Outcomes for this program, please visit our website (https://engineering.ucdenver.edu/bioengineering/accreditation/).

To review the Degree Map for this program, please visit our website (https://engineering.ucdenver.edu/bioengineering/accreditation/).