

BIOENGINEERING, MD-MS

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.

Graduate Education Policies and Procedures apply to this program.

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/graduate-programs/phd-in-bioengineering/>).

To review the Degree Map for this program, please visit our website (<https://engineering.ucdenver.edu/bioengineering/graduate-programs/#ac-resources-for-current-stu>).