PROGRAMS

MD Program
• Doctor of Medicine, MD (http://catalog.upenn.edu/graduate/programs/doctor-medicine-md/)

PhD & Research Master's Programs - Biomedical Graduate Studies
• Biochemistry and Molecular Biophysics, PhD (http://catalog.upenn.edu/graduate/programs/biochemistry-molecular-biophysics-phd/)
• Cell and Molecular Biology
  • Cancer Biology, PhD (http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-cancer-biology-phd/)
  • Cell Biology, Physiology, and Metabolism, PhD (http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-cell-biology-physiology-metabolism-phd/)
• Developmental, Stem Cell, and Regenerative Biology, PhD (http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-developmental-stem-cell-regenerative-biology-phd/)
• Gene Therapy and Vaccines, PhD (http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-gene-therapy-vaccines-phd/)
• Genetics and Epigenetics, PhD (http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-genetics-epigenetics-phd/)
• Microbiology, Virology, and Parasitology, PhD (http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-microbiology-virology-parasitology-phd/)
• Epidemiology and Biostatistics
  • Biostatistics, MS (http://catalog.upenn.edu/graduate/programs/epidemiology-biostatistics-biostatistics-ms/)
  • Biostatistics, PhD (http://catalog.upenn.edu/graduate/programs/epidemiology-biostatistics-biostatistics-phd/)
  • Epidemiology, PhD (http://catalog.upenn.edu/graduate/programs/epidemiology-biostatistics-epidemiology-phd/)
• Genomics and Computational Biology, PhD (http://catalog.upenn.edu/graduate/programs/genomics-computational-biology-phd/)
• Immunology, PhD (http://catalog.upenn.edu/graduate/programs/immunology-phd/)
• Neuroscience, PhD (http://catalog.upenn.edu/graduate/programs/neuroscience-phd/)
• Pharmacology, PhD (http://catalog.upenn.edu/graduate/programs/pharmacology-phd/)

Professional Master's Programs - MaC
• Bioethics, MBE (http://catalog.upenn.edu/graduate/programs/bioethics-mbe/)
• Biomedical Informatics, MBMI (http://catalog.upenn.edu/graduate/programs/biomedical-informatics-mbmi/)
• Clinical Epidemiology, MSCE (http://catalog.upenn.edu/graduate/programs/clinical-epidemiology-msce/)
• Genetic Counseling, MSGC (http://catalog.upenn.edu/graduate/programs/genetic-counseling-msgc/)
• Health Care Innovation, MHCI (http://catalog.upenn.edu/graduate/programs/health-care-innovation-mhci/)
• Health Policy Research, MSHP (http://catalog.upenn.edu/graduate/programs/health-policy-research-mshp/)
• Healthcare Quality and Safety, MHQS (http://catalog.upenn.edu/graduate/programs/healthcare-quality-safety-mhqs/)
• Medical Ethics, MSME (http://catalog.upenn.edu/graduate/programs/medical-ethics-msme/)
• Medical Physics, MMSP (http://catalog.upenn.edu/graduate/programs/medical-physics-mmmp/)
• Public Health, MPH (http://catalog.upenn.edu/graduate/programs/public-health-mph/)
• Regulatory Affairs, MRA (http://catalog.upenn.edu/graduate/programs/regulatory-affairs-mra/)
• Regulatory Science, MSRS (http://catalog.upenn.edu/graduate/programs/regulatory-science-msrs/)
• Translational Research, MSTR (http://catalog.upenn.edu/graduate/programs/translational-research-mstr/)

Certificate Programs
• Academic Foundations, Certificate (http://catalog.upenn.edu/graduate/programs/academic-foundations-certificate/)
• Biomedical Informatics, Certificate (http://catalog.upenn.edu/graduate/programs/biomedical-informatics-certificate/)
• Clinical Ethics Mediation, Certificate (http://catalog.upenn.edu/graduate/programs/clinical-ethics-mediation-certificate/)
• Environmental Health Studies, Certificate (http://catalog.upenn.edu/graduate/programs/environmental-health-studies-certificate/)
• Graduate Training in Medical Sciences, Certificate (http://catalog.upenn.edu/graduate/programs/graduate-training-medical-sciences-certificate/)
• Health Care Innovation, Certificate (http://catalog.upenn.edu/graduate/programs/health-care-innovation-certificate/)
• Health Care Quality & Safety, Certificate (http://catalog.upenn.edu/graduate/programs/health-care-quality-safety-certificate/)
• Medical Physics, Certificate (http://catalog.upenn.edu/graduate/programs/medical-physics-certificate/)
• Public Health, Certificate (http://catalog.upenn.edu/graduate/programs/public-health-certificate/)
• Translational Research
  • Entrepreneurial Science, Certificate (http://catalog.upenn.edu/graduate/programs/translational-research-entrepreneurial-science-certificate/)
  • Regulatory Science, Certificate (http://catalog.upenn.edu/graduate/programs/translational-research-regulatory-science-certificate/)
  • Translational Science, Certificate (http://catalog.upenn.edu/graduate/programs/translational-research-translational-science-certificate/)

Joint Degree Programs
MD/PhD Program
• Medical Scientist Training Program (MSTP) MD/PhD (http://www.med.upenn.edu/educ_combdeg/md-phd.html)
Programs

**MD/JD Program**
- Juris Doctor (JD) Program (http://www.med.upenn.edu/educ_combdeg/md-jd.html)

**MD/Master's Programs**
- Master of Bioethics (MBE) (http://www.med.upenn.edu/educ_combdeg/md-mbe.html)
- Master of Business Administration (MBA) (http://www.med.upenn.edu/educ_combdeg/md-mba.html)
- Master in Law (ML), Health Law Track (http://www.med.upenn.edu/educ_combdeg/md-ml.html)
- Master of Public Health (MPH) (http://www.med.upenn.edu/educ_combdeg/md-mph.html)
- Master of Science in Clinical Epidemiology (MSCE) (http://www.med.upenn.edu/educ_combdeg/md-msce.html)
- Master of Science in Health Policy Research (MSHP) (http://www.med.upenn.edu/educ_combdeg/md-mshp.html)
- Master of Science in Medical Ethics (MSME) (http://www.med.upenn.edu/educ_combdeg/md-msme.html)
- Master of Science in Translational Research (MSTR) (https://www.med.upenn.edu/educ_combdeg/md-mstr.html)