

# PROGRAMS

The following list includes PhD, master's, certificate, and other professional degree programs. Undergraduate programs are listed in the Undergraduate Catalog (<http://catalog.upenn.edu/undergraduate/>).

## A

- Accounting, MBA (<http://catalog.upenn.edu/graduate/programs/accounting-mba/>)
- Accounting, PhD (<http://catalog.upenn.edu/graduate/programs/accounting-phd/>)
- Adult Gerontology Acute Care Nurse Practitioner, MSN (<http://catalog.upenn.edu/graduate/programs/adult-gerontology-acute-care-np-msn/>)
- Adult Gerontology Primary Care Nurse Practitioner, MSN (<http://catalog.upenn.edu/graduate/programs/adult-gerontology-primary-care-np-msn/>)
- Adult Oncology Specialty, Certificate (<http://catalog.upenn.edu/graduate/programs/adult-oncology-specialist-certificate/>)
- Adult Oncology Specialty, Minor (<http://catalog.upenn.edu/graduate/programs/adult-oncology-specialist-minor/>)
- Advanced Dental Studies, MADS (<http://catalog.upenn.edu/graduate/programs/advanced-dental-studies-mads/>)
- Advanced Research Training for Genetic Counselors, Certificate (<http://catalog.upenn.edu/graduate/programs/advanced-research-training-genetic-counselors-certificate/>)
- Advanced Scientific Computing, Certificate (<http://catalog.upenn.edu/graduate/programs/advanced-scientific-computing-certificate/>)
- Africana Studies, PhD (<http://catalog.upenn.edu/graduate/programs/africana-studies-phd/>)
- Ancient History, PhD (<http://catalog.upenn.edu/graduate/programs/ancient-history-phd/>)
- Animal Welfare and Behavior, Certificate (<http://catalog.upenn.edu/graduate/programs/animal-welfare-behavior-certificate/>)
- Animal Welfare and Behavior, MSAWB (<http://catalog.upenn.edu/graduate/programs/animal-welfare-behavior-msawb/>)
- Anthropology, PhD: Archaeology (<http://catalog.upenn.edu/graduate/programs/anthropology-archaeology-phd/>)
- Anthropology, PhD: Biological (<http://catalog.upenn.edu/graduate/programs/anthropology-biological-phd/>)
- Anthropology, PhD: Cultural (<http://catalog.upenn.edu/graduate/programs/anthropology-cultural-phd/>)
- Anthropology, PhD: Linguistic (<http://catalog.upenn.edu/graduate/programs/anthropology-linguistic-phd/>)
- Anthropology, PhD: Medical (<http://catalog.upenn.edu/graduate/programs/anthropology-medical-phd/>)
- Applied Criminology and Police Leadership, MCPL (<http://catalog.upenn.edu/graduate/programs/applied-criminology-police-leadership-mcpl/>)
- Applied Economics, PhD (<http://catalog.upenn.edu/graduate/programs/applied-economics-phd/>)
- Applied Geosciences, MSAG (<http://catalog.upenn.edu/graduate/programs/applied-geosciences-msag/>)

- Applied Mathematics and Computational Science, MA (<http://catalog.upenn.edu/graduate/programs/applied-mathematics-computational-science-ma/>)
- Applied Mathematics and Computational Science, PhD (<http://catalog.upenn.edu/graduate/programs/applied-mathematics-computational-science-phd/>)
- Applied Positive Psychology, MAPP (<http://catalog.upenn.edu/graduate/programs/applied-positive-psychology-mapp/>)
- Architecture, MArch (<http://catalog.upenn.edu/graduate/programs/architecture-march/>)
- Architecture, MEBD (<http://catalog.upenn.edu/graduate/programs/architecture-mebd/>)
- Architecture, MS (<http://catalog.upenn.edu/graduate/programs/architecture-ms/>)
- Architecture, MSD: Advanced Architectural Design (<http://catalog.upenn.edu/graduate/programs/architecture-advanced-architectural-design-msd/>)
- Architecture, MSD: Environmental Building Design (<http://catalog.upenn.edu/graduate/programs/architecture-environmental-building-design-msd/>)
- Architecture, MSD: Robotics and Autonomous Systems (<http://catalog.upenn.edu/graduate/programs/architecture-robotics-autonomous-systems-msd/>)
- Architecture, PhD (<http://catalog.upenn.edu/graduate/programs/architecture-phd/>)
- Art and Archaeology of the Mediterranean World, MA (<http://catalog.upenn.edu/graduate/programs/art-archaeology-mediterranean-world-ma/>)
- Art and Archaeology of the Mediterranean World, PhD (<http://catalog.upenn.edu/graduate/programs/art-archaeology-mediterranean-world-phd/>)
- Artificial Intelligence for Business, MBA (<http://catalog.upenn.edu/graduate/programs/artificial-intelligence-business-mba/>)
- Artificial Intelligence, Certificate (<http://catalog.upenn.edu/graduate/programs/artificial-intelligence-certificate/>)
- Artificial Intelligence, MSE (<http://catalog.upenn.edu/graduate/programs/artificial-intelligence-mse/>)

## B

- Behavioral and Decision Sciences, MBDS (<http://catalog.upenn.edu/graduate/programs/behavioral-decision-sciences-mbds/>)
- Biochemistry, Biophysics and Chemical Biology, PhD (<http://catalog.upenn.edu/graduate/programs/biochemistry-biophysics-chemical-biology-phd/>)
- Bioengineering, MSE (<http://catalog.upenn.edu/graduate/programs/bioengineering-mse/>)
- Bioengineering, PhD (<http://catalog.upenn.edu/graduate/programs/bioengineering-phd/>)
- Bioethics, MBE (<http://catalog.upenn.edu/graduate/programs/bioethics-mbe/>)
- Biology, PhD (<http://catalog.upenn.edu/graduate/programs/biology-phd/>)
- Biomedical Informatics, Certificate (<http://catalog.upenn.edu/graduate/programs/biomedical-informatics-certificate/>)
- Biomedical Informatics, MBMI (<http://catalog.upenn.edu/graduate/programs/biomedical-informatics-mbmi/>)

- Biostatistics, MS (<http://catalog.upenn.edu/graduate/programs/epidemiology-biostatistics-biostatistics-ms/>)
- Biotechnology, MBIOT (<http://catalog.upenn.edu/graduate/programs/biotechnology-mbiot/>)
- Business Analytics, MBA (<http://catalog.upenn.edu/graduate/programs/business-analytics-mba/>)
- Business Economics & Public Policy, MBA (<http://catalog.upenn.edu/graduate/programs/business-economics-public-policy-mba/>)
- Business, Energy, Environment and Sustainability, MBA (<http://catalog.upenn.edu/graduate/programs/business-energy-env-sustain-mba/>)

## C

- Cell and Molecular Biology, PhD: Cancer Biology (<http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-cancer-biology-phd/>)
- Cell and Molecular Biology, PhD: Cell Biology, Physiology, and Metabolism (<http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-cell-biology-physiology-metabolism-phd/>)
- Cell and Molecular Biology, PhD: Developmental, Stem Cell, and Regenerative Biology (<http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-developmental-stem-cell-regenerative-biology-phd/>)
- Cell and Molecular Biology, PhD: Gene Therapy and Vaccines (<http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-gene-therapy-vaccines-phd/>)
- Cell and Molecular Biology, PhD: Genetics and Epigenetics (<http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-genetics-epigenetics-phd/>)
- Cell and Molecular Biology, PhD: Microbiology, Virology, and Parasitology (<http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-microbiology-virology-parasitology-phd/>)
- Chemical & Biomolecular Engineering, MSE (<http://catalog.upenn.edu/graduate/programs/chemical-biomolecular-engineering-mse/>)
- Chemical and Biomolecular Engineering, PhD (<http://catalog.upenn.edu/graduate/programs/chemical-biomolecular-engineering-phd/>)
- Chemical Sciences, MCS (<http://catalog.upenn.edu/graduate/programs/chemical-sciences-mcs/>)
- Chemistry, PhD (<http://catalog.upenn.edu/graduate/programs/chemistry-phd/>)
- Cinema and Media Studies, MA (<http://catalog.upenn.edu/graduate/programs/cinema-media-studies-ma/>)
- Cinema and Media Studies, PhD (<http://catalog.upenn.edu/graduate/programs/cinema-media-studies-phd/>)
- City & Regional Planning, MCP. Housing, Community and Economic Development (<http://catalog.upenn.edu/graduate/programs/city-regional-planning-community-economic-development-mcp/>)
- City & Regional Planning, MCP. Land Use & Environmental Planning (<http://catalog.upenn.edu/graduate/programs/city-regional-planning-land-use-environmental-planning-mcp/>)
- City & Regional Planning, MCP. Public & Private Development (<http://catalog.upenn.edu/graduate/programs/city-regional-planning-public-private-development-mcp/>)
- City & Regional Planning, MCP. Smart Cities (<http://catalog.upenn.edu/graduate/programs/city-regional-planning-smart-cities-mcp/>)

- City & Regional Planning, MCP. Sustainable Transportation & Infrastructure (<http://catalog.upenn.edu/graduate/programs/city-regional-planning-sustainable-transportation-infrastructure-mcp/>)
- City & Regional Planning, MCP. Urban Design (<http://catalog.upenn.edu/graduate/programs/city-regional-planning-urban-design-mcp/>)
- City & Regional Planning, PhD (<http://catalog.upenn.edu/graduate/programs/city-planning-phd/>)
- Clinical Epidemiology, MSCE (<http://catalog.upenn.edu/graduate/programs/clinical-epidemiology-msce/>)
- Clinical Ethics Mediation, Certificate (<http://catalog.upenn.edu/graduate/programs/clinical-ethics-mediation-certificate/>)
- Clinical Research Nursing, Certificate (<http://catalog.upenn.edu/graduate/programs/clinical-research-nursing-certificate/>)
- Communication, PhD (<http://catalog.upenn.edu/graduate/programs/communication-phd/>)
- Comparative Literature, PhD (<http://catalog.upenn.edu/graduate/programs/comparative-literature-phd/>)
- Computer & Information Science, MSE (<http://catalog.upenn.edu/graduate/programs/computer-information-science-mse/>)
- Computer & Information Technology, MCIT (<http://catalog.upenn.edu/graduate/programs/computer-information-technology-mcit/>)
- Computer and Information Science, PhD (<http://catalog.upenn.edu/graduate/programs/computer-information-science-phd/>)
- Computer Graphics & Game Technology, MSE (<http://catalog.upenn.edu/graduate/programs/computer-graphics-game-technology-mse/>)
- Computer Science Fundamentals, Certificate (<http://catalog.upenn.edu/graduate/programs/computer-science-fundamentals-certificate/>)
- Criminology, MS (<http://catalog.upenn.edu/graduate/programs/criminology-ms/>)
- Criminology, PhD (<http://catalog.upenn.edu/graduate/programs/criminology-phd/>)

## D

- Data Science, Certificate (<http://catalog.upenn.edu/graduate/programs/data-science-certificate/>)
- Data Science, MSE (<http://catalog.upenn.edu/graduate/programs/data-science-mse/>)
- Demography, PhD (<http://catalog.upenn.edu/graduate/programs/demography-phd/>)
- Doctor of Dental Medicine, DMD (<http://catalog.upenn.edu/graduate/programs/doctor-dental-medicine-dmd/>)
- Doctor of Medicine, MD (<http://catalog.upenn.edu/graduate/programs/doctor-medicine-md/>)
- Doctor of Science in Dentistry, DScD (<http://catalog.upenn.edu/graduate/programs/doctor-science-dentistry-dscd/>)

## E

- Earth and Environmental Science, PhD (<http://catalog.upenn.edu/graduate/programs/earth-environmental-science-phd/>)
- East Asian Languages and Civilizations, MA (<http://catalog.upenn.edu/graduate/programs/east-asian-languages-civilizations-ma/>)

- East Asian Languages and Civilizations, PhD (<http://catalog.upenn.edu/graduate/programs/east-asian-languages-civilizations-phd/>)
  - Ecological Architecture, Certificate (<http://catalog.upenn.edu/graduate/programs/ecological-architecture-certificate/>)
  - Ecological Planning, Certificate (<http://catalog.upenn.edu/graduate/programs/ecological-planning-certificate/>)
  - Economics, PhD (<http://catalog.upenn.edu/graduate/programs/economics-phd/>)
  - Education Entrepreneurship, MEd (<http://catalog.upenn.edu/graduate/programs/educational-entrepreneurship-mse/>)
  - Education Policy, MEd (<http://catalog.upenn.edu/graduate/programs/education-policy-mse/>)
  - Education Policy, PhD (<http://catalog.upenn.edu/graduate/programs/education-policy-phd/>)
  - Education Studies, MEd (<http://catalog.upenn.edu/graduate/programs/education-studies-mse/>)
  - Education, Culture, and Society, MEd (<http://catalog.upenn.edu/graduate/programs/education-culture-society-mse/>)
  - Education, Culture, and Society, PhD (<http://catalog.upenn.edu/graduate/programs/education-culture-society-phd/>)
  - Educational and Organizational Leadership, EdD (<http://catalog.upenn.edu/graduate/programs/educational-organizational-leadership-edd/>)
  - Educational Leadership, EdD (<http://catalog.upenn.edu/graduate/programs/educational-leadership-edd/>)
  - Educational Linguistics, EdD (<http://catalog.upenn.edu/graduate/programs/educational-linguistics-edd/>)
  - Educational Linguistics, PhD (<http://catalog.upenn.edu/graduate/programs/educational-linguistics-phd/>)
  - Electrical and Systems Engineering, PhD (<http://catalog.upenn.edu/graduate/programs/electrical-systems-engineering-phd/>)
  - Electrical Engineering, MSE (<http://catalog.upenn.edu/graduate/programs/electrical-engineering-mse/>)
  - Endodontics, Certificate (<http://catalog.upenn.edu/graduate/programs/endodontics-certificate/>)
  - Energy Management & Policy, Certificate (<http://catalog.upenn.edu/graduate/programs/energy-management-policy-certificate/>)
  - Engineering Entrepreneurship, Certificate (<http://catalog.upenn.edu/graduate/programs/engineering-entrepreneurship-certificate/>)
  - Engineering Geology, Certificate (<http://catalog.upenn.edu/graduate/programs/engineering-geology-certificate/>)
  - English, MA (<http://catalog.upenn.edu/graduate/programs/english-ma/>)
  - English, PhD (<http://catalog.upenn.edu/graduate/programs/english-phd/>)
  - Entrepreneurship and Innovation, MBA (<http://catalog.upenn.edu/graduate/programs/entrepreneurship-innovation-mba/>)
  - Environmental Building Design, Certificate (<http://catalog.upenn.edu/graduate/programs/environmental-building-design-certificate/>)
  - Environmental Health Sciences, Certificate (<http://catalog.upenn.edu/graduate/programs/environmental-health-sciences-certificate/>)
  - Environmental Hydrogeology, Certificate (<http://catalog.upenn.edu/graduate/programs/environmental-hydrogeology-certificate/>)
  - Environmental Studies, MES (<http://catalog.upenn.edu/graduate/programs/environmental-studies-mes/>)
  - Environmental, Social and Governance Factors for Business, MBA (<http://catalog.upenn.edu/graduate/programs/environmental-social-governance-factors-business-mba/>)
  - Epidemiology and Biostatistics, PhD: Biostatistics (<http://catalog.upenn.edu/graduate/programs/epidemiology-biostatistics-biostatistics-phd/>)
  - Epidemiology and Biostatistics, PhD: Epidemiology (<http://catalog.upenn.edu/graduate/programs/epidemiology-biostatistics-epidemiology-phd/>)
  - ESL Specialist, Certification (<http://catalog.upenn.edu/graduate/programs/esl-specialist-certification/>)
  - ESL Specialist, Certification (<http://catalog.upenn.edu/graduate/programs/esl-specialist-certificate/>)
  - Ethics and Legal Studies, PhD (<http://catalog.upenn.edu/graduate/programs/ethics-legal-studies-phd/>)
  - Executive Leadership, DNP (<http://catalog.upenn.edu/graduate/programs/executive-leadership-dnp/>)
  - Executive MBA (<http://catalog.upenn.edu/graduate/programs/executive-mba/>)
- ## F
- Family Nurse Practitioner, MSN (<http://catalog.upenn.edu/graduate/programs/family-nurse-practitioner-msn/>)
  - Finance, MBA (<http://catalog.upenn.edu/graduate/programs/finance-mba/>)
  - Finance, PhD (<http://catalog.upenn.edu/graduate/programs/finance-phd/>)
  - Fine Arts, MFA (<http://catalog.upenn.edu/graduate/programs/fine-arts-mfa/>)
  - Francophone, Italian and Germanic Studies, PhD: French and Francophone Studies (<http://catalog.upenn.edu/graduate/programs/francophone-italian-germanic-french-francophone-studies-phd/>)
  - Francophone, Italian and Germanic Studies, PhD: Germanic Studies (<http://catalog.upenn.edu/graduate/programs/francophone-italian-germanic-germanic-studies-phd/>)
  - Francophone, Italian and Germanic Studies, PhD: Italian Studies (<http://catalog.upenn.edu/graduate/programs/francophone-italian-germanic-italian-studies-phd/>)
- ## G
- Genetic Counseling, MSGC (<http://catalog.upenn.edu/graduate/programs/genetic-counseling-msgc/>)
  - Genomics and Computational Biology, PhD (<http://catalog.upenn.edu/graduate/programs/genomics-computational-biology-phd/>)
  - Geographical Information Systems & Spatial Analysis, Certificate (<http://catalog.upenn.edu/graduate/programs/geo-info-systems-spatial-analysis-certificate/>)
  - Global Health, Minor (<http://catalog.upenn.edu/graduate/programs/global-health-minor/>)
  - Global Higher Education Management, MEd (<http://catalog.upenn.edu/graduate/programs/global-higher-education-management-mse/>)
  - Global Public Administration, Certificate (<http://catalog.upenn.edu/graduate/programs/global-public-administration-certificate/>)
  - Global, MPA (<http://catalog.upenn.edu/graduate/programs/global-mpa/>)

- Government Administration (Exec), MPA (<http://catalog.upenn.edu/graduate/programs/government-administration-mpa/>)
- Government Administration (FT), MPA (<http://catalog.upenn.edu/graduate/programs/government-administration-mpaf/>)
- Graduate Training in Medical Science, Certificate (<http://catalog.upenn.edu/graduate/programs/graduate-training-medical-science-certificate/>)
- Greek and Latin Languages and Literatures, PhD (<http://catalog.upenn.edu/graduate/programs/greek-latin-languages-literatures-phd/>)

## H

- Health Care and Technology, Certificate (<http://catalog.upenn.edu/graduate/programs/health-care-technology-certificate/>)
- Health Care Innovation, Certificate (<http://catalog.upenn.edu/graduate/programs/health-care-innovation-certificate/>)
- Health Care Innovation, MHCI (<http://catalog.upenn.edu/graduate/programs/health-care-innovation-mhci/>)
- Health Care Management & Economics, PhD (<http://catalog.upenn.edu/graduate/programs/health-care-management-economics-phd/>)
- Health Care Management, MBA (<http://catalog.upenn.edu/graduate/programs/health-care-management-mba/>)
- Health Informatics, Minor (<http://catalog.upenn.edu/graduate/programs/health-informatics-minor/>)
- Health Policy Research, MSHP (<http://catalog.upenn.edu/graduate/programs/health-policy-research-mshp/>)
- Healthcare Quality and Safety, Certificate (<http://catalog.upenn.edu/graduate/programs/health-care-quality-safety-certificate/>)
- Healthcare Quality and Safety, MHQS (<http://catalog.upenn.edu/graduate/programs/healthcare-quality-safety-mhqs/>)
- Higher Education Management, EdD (<http://catalog.upenn.edu/graduate/programs/higher-education-management-edd/>)
- Higher Education, EdD (<http://catalog.upenn.edu/graduate/programs/higher-education-edd/>)
- Higher Education, MSED (<http://catalog.upenn.edu/graduate/programs/higher-education-msed/>)
- Higher Education, PhD (<http://catalog.upenn.edu/graduate/programs/higher-education-phd/>)
- Historic Preservation, Certificate (<http://catalog.upenn.edu/graduate/programs/historic-preservation-certificate/>)
- Historic Preservation, MSD (<http://catalog.upenn.edu/graduate/programs/historic-preservation-msd/>)
- Historic Preservation, MSHP (<http://catalog.upenn.edu/graduate/programs/historic-preservation-mshp/>)
- History and Sociology of Science, PhD (<http://catalog.upenn.edu/graduate/programs/history-sociology-science-phd/>)
- History of Art, MA (<http://catalog.upenn.edu/graduate/programs/history-art-ma/>)
- History of Art, PhD (<http://catalog.upenn.edu/graduate/programs/history-art-phd/>)
- History, PhD (<http://catalog.upenn.edu/graduate/programs/history-phd/>)

## I

- Immunology, PhD (<http://catalog.upenn.edu/graduate/programs/immunology-phd/>)

- Implementation Science, Certificate (<http://catalog.upenn.edu/graduate/programs/implementation-science-certificate/>)
- Independent School Teaching Residency, MSED (<http://catalog.upenn.edu/graduate/programs/independent-school-teaching-residency-msed/>)
- Individualized Major, MBA (<http://catalog.upenn.edu/graduate/programs/individualized-major-mba/>)
- Individualized, MPhil (<http://catalog.upenn.edu/graduate/programs/individualized-mphil/>)
- Integrated Nursing Care of Autism Spectrum Disorder, Certificate (<http://catalog.upenn.edu/graduate/programs/integrated-nursing-care-autism-spectrum-disorder-certificate/>)
- Integrated Nursing Care of Autism Spectrum Disorder, Minor (<http://catalog.upenn.edu/graduate/programs/integrated-nursing-care-autism-spectrum-disorder-minor/>)
- Integrated Product Design, Certificate (<http://catalog.upenn.edu/graduate/programs/integrated-product-design-certificate/>)
- Integrated Product Design, MIPD (<http://catalog.upenn.edu/graduate/programs/integrated-product-design-mipd/>)
- Integrated Product Design, MSE (<http://catalog.upenn.edu/graduate/programs/integrated-product-design-mse/>)
- Interdisciplinary Studies in Human Development, MSED (<http://catalog.upenn.edu/graduate/programs/interdisciplinary-studies-human-development-msed/>)
- Interdisciplinary Studies in Human Development, PhD (<http://catalog.upenn.edu/graduate/programs/interdisciplinary-studies-human-development-phd/>)
- International Educational Development, MSED (<http://catalog.upenn.edu/graduate/programs/international-educational-development-msed/>)
- International Impact Evaluation, MPA (<http://catalog.upenn.edu/graduate/programs/international-impact-evaluation-mpa/>)
- International Studies, MA (<http://catalog.upenn.edu/graduate/programs/international-studies-ma/>)
- International, MPA (<http://catalog.upenn.edu/graduate/programs/international-mpa/>)

## J

- JD/MBA Dual Degree program (<http://catalog.upenn.edu/graduate/jd-mba/>)

## L

- Landscape Architecture & Regional Planning, MLA (<http://catalog.upenn.edu/graduate/programs/landscape-architecture-regional-planning-mla/>)
- Landscape Studies, Certificate (<http://catalog.upenn.edu/graduate/programs/landscape-studies-certificate/>)
- Language, Globalization and Intercultural Studies, MSED (<http://catalog.upenn.edu/graduate/programs/language-globalization-intercultural-studies-msed/>)
- Law, JD (<http://catalog.upenn.edu/graduate/programs/law-jd/>)
- Law, LLCM (<http://catalog.upenn.edu/graduate/programs/law-llcm/>)
- Law, LLM (<http://catalog.upenn.edu/graduate/programs/law-llm/>)
- Law, ML (<http://catalog.upenn.edu/graduate/programs/law-ml/>)
- Law, SJD (<http://catalog.upenn.edu/graduate/programs/law-sjd/>)
- Leading Across Differences, MBA (<http://catalog.upenn.edu/graduate/programs/leading-across-differences-mba/>)

- Learning Analytics and Artificial Intelligence, MEd (<http://catalog.upenn.edu/graduate/programs/learning-analytics-artificial-intelligence-msed/>)
- Learning Sciences & Technologies, MEd (<http://catalog.upenn.edu/graduate/programs/learning-sciences-technologies-msed/>)
- Learning Sciences & Technologies, PhD (<http://catalog.upenn.edu/graduate/programs/learning-sciences-technologies-phd/>)
- Liberal Arts Individualized, MLA (<http://catalog.upenn.edu/graduate/programs/liberal-arts-individualized-mla/>)
- Linguistics, MA (<http://catalog.upenn.edu/graduate/programs/linguistics-ma/>)
- Linguistics, PhD (<http://catalog.upenn.edu/graduate/programs/linguistics-phd/>)
- Literacy Studies, EdD (<http://catalog.upenn.edu/graduate/programs/literacy-studies-edd/>)
- Literacy Studies, MEd (<http://catalog.upenn.edu/graduate/programs/literacy-studies-msed/>)
- Literacy Studies, PhD (<http://catalog.upenn.edu/graduate/programs/literacy-studies-phd/>)
- Middle Eastern Languages & Cultures, MA: Biblical Studies (<http://catalog.upenn.edu/graduate/programs/middle-eastern-languages-cultures-biblical-studies-ma/>)
- Middle Eastern Languages & Cultures, MA: Classical and Medieval Hebrew Literature (<http://catalog.upenn.edu/graduate/programs/middle-eastern-languages-cultures-classical-medieval-hebrew-literature-ma/>)
- Middle Eastern Languages & Cultures, MA: Egyptology (<http://catalog.upenn.edu/graduate/programs/middle-eastern-languages-cultures-egyptology-ma/>)
- Middle Eastern Languages & Cultures, MA: Mesopotamian Civilization (<http://catalog.upenn.edu/graduate/programs/middle-eastern-languages-cultures-mesopotamian-civilization-ma/>)
- Middle Eastern Languages & Cultures, MA: Middle Eastern Literatures & Societies (<http://catalog.upenn.edu/graduate/programs/middle-eastern-languages-cultures-middle-eastern-literatures-societies-ma/>)
- Middle Eastern Languages & Cultures, PhD: Biblical Studies (<http://catalog.upenn.edu/graduate/programs/middle-eastern-languages-cultures-biblical-studies-phd/>)
- Middle Eastern Languages & Cultures, PhD: Classical and Medieval Hebrew Literature (<http://catalog.upenn.edu/graduate/programs/middle-eastern-languages-cultures-classical-medieval-hebrew-literature-phd/>)
- Middle Eastern Languages & Cultures, PhD: Egyptology (<http://catalog.upenn.edu/graduate/programs/middle-eastern-languages-cultures-egyptology-phd/>)
- Middle Eastern Languages & Cultures, PhD: Mesopotamian Civilization (<http://catalog.upenn.edu/graduate/programs/middle-eastern-languages-cultures-mesopotamian-civilization-phd/>)
- Middle Eastern Languages & Cultures, PhD: Middle Eastern Literatures & Societies (<http://catalog.upenn.edu/graduate/programs/middle-eastern-languages-cultures-middle-eastern-literatures-societies-phd/>)
- Multinational Management, MBA (<http://catalog.upenn.edu/graduate/programs/multinational-management-mba/>)
- Music, PhD: Composition (<http://catalog.upenn.edu/graduate/programs/music-musical-composition-phd/>)
- Music, PhD: Music Studies (<http://catalog.upenn.edu/graduate/programs/music-music-studies-phd/>)

## M

- Management, MBA (<http://catalog.upenn.edu/graduate/programs/management-mba/>)
- Management, PhD (<http://catalog.upenn.edu/graduate/programs/management-phd/>)
- Marketing & Operations Management, MBA (<http://catalog.upenn.edu/graduate/programs/marketing-operations-management-mba/>)
- Marketing, MBA (<http://catalog.upenn.edu/graduate/programs/marketing-mba/>)
- Marketing, PhD (<http://catalog.upenn.edu/graduate/programs/marketing-phd/>)
- Materials Science and Engineering, MSE (<http://catalog.upenn.edu/graduate/programs/materials-science-engineering-mse/>)
- Materials Science and Engineering, PhD (<http://catalog.upenn.edu/graduate/programs/materials-science-engineering-phd/>)
- Mathematics, MA (<http://catalog.upenn.edu/graduate/programs/mathematics-ma/>)
- Mathematics, MPhil (<http://catalog.upenn.edu/graduate/programs/mathematics-mphil/>)
- Mathematics, PhD (<http://catalog.upenn.edu/graduate/programs/mathematics-phd/>)
- Mechanical Engineering & Applied Mechanics, MSE (<http://catalog.upenn.edu/graduate/programs/mechanical-engineering-applied-mechanics-mse/>)
- Mechanical Engineering and Applied Mechanics, PhD (<http://catalog.upenn.edu/graduate/programs/mechanical-engineering-applied-mechanics-phd/>)
- Medical Education, MEd (<http://catalog.upenn.edu/graduate/programs/medical-education-msed/>)
- Medical Ethics, MSME (<http://catalog.upenn.edu/graduate/programs/medical-ethics-msme/>)
- Medical Physics, Certificate (<http://catalog.upenn.edu/graduate/programs/medical-physics-certificate/>)
- Medical Physics, MSMP (<http://catalog.upenn.edu/graduate/programs/medical-physics-mmp/>)

## N

- Neonatal Nurse Practitioner, MSN (<http://catalog.upenn.edu/graduate/programs/neonatal-np-msn/>)
- Neuroscience, PhD (<http://catalog.upenn.edu/graduate/programs/neuroscience-phd/>)
- Nonprofit/NGO Leadership, MSNPL (<http://catalog.upenn.edu/graduate/programs/nonprofit-ngo-leadership-msnpl/>)
- Nurse Anesthesia Program, DNP (<http://catalog.upenn.edu/graduate/programs/nurse-anesthesia-program-dnp/>)
- Nurse-Midwifery, MSN (<http://catalog.upenn.edu/graduate/programs/nurse-midwifery-msn/>)
- Nursing & Healthcare Leadership, MSN (<http://catalog.upenn.edu/graduate/programs/nursing-and-healthcare-leadership-msn/>)
- Nursing Administration, Minor (<http://catalog.upenn.edu/graduate/programs/nursing-administration-minor/>)
- Nursing, DNP (<http://catalog.upenn.edu/graduate/programs/nursing-dnp/>)

- Nursing, MPN (<http://catalog.upenn.edu/graduate/programs/nursing-mpn/>)
- Nursing, PhD (<http://catalog.upenn.edu/graduate/programs/nursing-phd/>)
- Nutrition Science, MSNS (<http://catalog.upenn.edu/graduate/programs/nutrition-science-msns/>)
- Nutrition, Certificate (<http://catalog.upenn.edu/graduate/programs/nutrition-certificate/>)
- Nutrition, Minor (<http://catalog.upenn.edu/graduate/programs/nutrition-minor/>)

## O

- Operations, Information and Decisions, PhD (<http://catalog.upenn.edu/graduate/programs/operations-information-decisions-phd/>)
- Operations, Information, & Decisions, MBA (<http://catalog.upenn.edu/graduate/programs/operations-information-decisions-mba/>)
- Oral and Maxillofacial Surgery, Certificate (<http://catalog.upenn.edu/graduate/programs/oral-maxillofacial-surgery-certificate/>)
- Oral and Population Health, MSOPH (<http://catalog.upenn.edu/graduate/programs/oral-population-health-msoph/>)
- Oral Biology, MSOB (<http://catalog.upenn.edu/graduate/programs/oral-biology-msob/>)
- Oral Health Sciences, MOHS (<http://catalog.upenn.edu/graduate/programs/oral-health-sciences-mohs/>)
- Oral Medicine, Certificate (<http://catalog.upenn.edu/graduate/programs/oral-medicine-certificate/>)
- Organizational Dynamics, MPhil (<http://catalog.upenn.edu/graduate/programs/organizational-dynamics-mphil/>)
- Organizational Dynamics, MSOD (<http://catalog.upenn.edu/graduate/programs/organizational-dynamics-msod/>)
- Organizational Effectiveness, MBA (<http://catalog.upenn.edu/graduate/programs/organizational-effectiveness-mba/>)
- Orthodontics and Periodontics, Certificate (<http://catalog.upenn.edu/graduate/programs/orthodontics-periodontics-certificate/>)
- Orthodontics, Certificate (<http://catalog.upenn.edu/graduate/programs/orthodontics-certificate/>)

## P

- Palliative Care, Certificate (<http://catalog.upenn.edu/graduate/programs/palliative-care-certificate/>)
- Palliative Care, Minor (<http://catalog.upenn.edu/graduate/programs/palliative-care-minor/>)
- Pediatric Acute Care Nurse Practitioner: Acute/Chronic, MSN (<http://catalog.upenn.edu/graduate/programs/pediatric-acute-care-np-acute-chronic-msn/>)
- Pediatric Acute Care Nurse Practitioner: Critical Care, MSN (<http://catalog.upenn.edu/graduate/programs/pediatric-acute-care-np-critical-care-msn/>)
- Pediatric Acute Care Nurse Practitioner: Oncology, MSN (<http://catalog.upenn.edu/graduate/programs/pediatric-acute-care-np-oncology-msn/>)
- Pediatric Dentistry, Certificate (<http://catalog.upenn.edu/graduate/programs/pediatric-dentistry-certificate/>)
- Pediatric Primary Care Nurse Practitioner, MSN (<http://catalog.upenn.edu/graduate/programs/pediatric-primary-care-np-msn/>)

- Penn Chief Learning Officer, EdD (<http://catalog.upenn.edu/graduate/programs/penn-chief-learning-officer-edd/>)
- Periodontics and Prosthodontics, Certificate (<http://catalog.upenn.edu/graduate/programs/periodontal-prosthesis-certificate/>)
- Periodontics, Certificate (<http://catalog.upenn.edu/graduate/programs/periodontics-certificate/>)
- Pharmacology, PhD (<http://catalog.upenn.edu/graduate/programs/pharmacology-phd/>)
- Philosophy, PhD (<http://catalog.upenn.edu/graduate/programs/philosophy-phd/>)
- Physics and Astronomy, PhD (<http://catalog.upenn.edu/graduate/programs/physics-astronomy-phd/>)
- Political Science, PhD (<http://catalog.upenn.edu/graduate/programs/political-science-phd/>)
- Professional Counseling, MPhilEd (<http://catalog.upenn.edu/graduate/programs/professional-counseling-mphiled/>)
- Program for Advanced Standing Students, DMD (<http://catalog.upenn.edu/graduate/programs/pass-dmd/>)
- Prosthodontics, Certificate (<http://catalog.upenn.edu/graduate/programs/prosthodontics-certificate/>)
- Psychiatric Mental Health Nurse Practitioner, MSN (<http://catalog.upenn.edu/graduate/programs/psychiatric-mental-health-np-msn/>)
- Psychology, PhD (<http://catalog.upenn.edu/graduate/programs/psychology-phd/>)
- Public Health, Certificate (<http://catalog.upenn.edu/graduate/programs/public-health-certificate/>)
- Public Health, MPH (<http://catalog.upenn.edu/graduate/programs/public-health-mph/>)

## Q

- Quality Improvement & Safety Processes Healthcare, Certificate (<http://catalog.upenn.edu/graduate/programs/quality-improvement-safety-processes-healthcare-certificate/>)
- Quality Improvement & Safety Processes Healthcare, Minor (<http://catalog.upenn.edu/graduate/programs/quality-improvement-safety-processes-healthcare-minor/>)
- Quantitative Finance, MBA (<http://catalog.upenn.edu/graduate/programs/quantitative-finance-mba/>)
- Quantitative Methods, MPhilEd (<http://catalog.upenn.edu/graduate/programs/quantitative-methods-mphiled/>)
- Quantitative Methods, PhD (<http://catalog.upenn.edu/graduate/programs/quantitative-methods-phd/>)
- Quantitative Policy Analysis, MPA (<http://catalog.upenn.edu/graduate/programs/quantitative-policy-analysis-mpa/>)

## R

- Reading Specialist, Certification (<http://catalog.upenn.edu/graduate/programs/reading-specialist-certification/>)
- Real Estate Design & Development, Certificate (<http://catalog.upenn.edu/graduate/programs/real-estate-design-development-certificate/>)
- Real Estate, MBA (<http://catalog.upenn.edu/graduate/programs/real-estate-mba/>)
- Regulatory Affairs, Certificate (<http://catalog.upenn.edu/graduate/programs/regulatory-affairs-certificate/>)

- Regulatory Affairs, MRA (<http://catalog.upenn.edu/graduate/programs/regulatory-affairs-mra/>)
- Regulatory Science, MSRS (<http://catalog.upenn.edu/graduate/programs/regulatory-science-msrs/>)
- Religious Studies, PhD (<http://catalog.upenn.edu/graduate/programs/religious-studies-phd/>)
- Robotics, MSE (<http://catalog.upenn.edu/graduate/programs/robotics-mse/>)

## S

- School and Mental Health Counseling, MEd (<http://catalog.upenn.edu/graduate/programs/school-mental-health-counseling-msed/>)
- School Leadership, Certification (<http://catalog.upenn.edu/graduate/programs/school-leadership-certification/>)
- School Leadership, MEd (<http://catalog.upenn.edu/graduate/programs/school-leadership-msed/>)
- Scientific Computing, MSE (<http://catalog.upenn.edu/graduate/programs/scientific-computing-mse/>)
- Social and Governance Factors for Business, MBA (<http://catalog.upenn.edu/graduate/programs/social-governance-factors-business-mba/>)
- Social Policy + Data Analytics, MSSP (<http://catalog.upenn.edu/graduate/programs/social-policy-data-analytics-mssp/>)
- Social Policy, MSSP (<http://catalog.upenn.edu/graduate/programs/social-policy-mssp/>)
- Social Welfare, PhD (<http://catalog.upenn.edu/graduate/programs/social-welfare-phd/>)
- Social Work, DSW (<http://catalog.upenn.edu/graduate/programs/social-work-dsw/>)
- Social Work, MSW (<http://catalog.upenn.edu/graduate/programs/social-work-msw/>)
- Sociology, PhD (<http://catalog.upenn.edu/graduate/programs/sociology-phd/>)
- Software Systems, Certificate (<http://catalog.upenn.edu/graduate/programs/software-systems-certificate/>)
- South Asia Regional Studies, MA (<http://catalog.upenn.edu/graduate/programs/south-asia-regional-studies-ma/>)
- South Asia Regional Studies, PhD (<http://catalog.upenn.edu/graduate/programs/south-asia-regional-studies-phd/>)
- Spanish and Portuguese, PhD (<http://catalog.upenn.edu/graduate/programs/spanish-portuguese-phd/>)
- Statistics and Data Science, MA (<http://catalog.upenn.edu/graduate/programs/statistics-data-science-ma/>)
- Statistics and Data Science, MBA (<http://catalog.upenn.edu/graduate/programs/statistics-data-science-mba/>)
- Statistics and Data Science, PhD (<http://catalog.upenn.edu/graduate/programs/statistics-data-science-phd/>)
- Statistics, Measurement, Assessment, and Research Technology, MEd (<http://catalog.upenn.edu/graduate/programs/statistics-measurement-assessment-research-technology-msed/>)
- Strategic Management, MBA (<http://catalog.upenn.edu/graduate/programs/strategic-management-mba/>)
- Systems Engineering, MSE (<http://catalog.upenn.edu/graduate/programs/systems-engineering-mse/>)

## T

- Teaching English to Speakers of Other Languages, MSED (<http://catalog.upenn.edu/graduate/programs/tesol-msed/>)
- Teaching, Learning, and Leadership, MEd (<http://catalog.upenn.edu/graduate/programs/teaching-learning-leadership-msed/>)
- Teaching, Learning, and Teacher Education, EdD (<http://catalog.upenn.edu/graduate/programs/teaching-learning-teacher-education-edd/>)
- Teaching, Learning, and Teacher Education, PhD (<http://catalog.upenn.edu/graduate/programs/teaching-learning-teacher-education-phd/>)
- Time-Based and Interactive Media, Certificate (<http://catalog.upenn.edu/graduate/programs/time-based-interactive-media-certificate/>)
- Transformative Nursing Education Program, Certificate (<http://catalog.upenn.edu/graduate/programs/transformative-nursing-education-program-certificate/>)
- Transformative Nursing Education Program, Minor (<http://catalog.upenn.edu/graduate/programs/transformative-nursing-education-program-minor/>)
- Translational Research, Certificate: Entrepreneurial Science (<http://catalog.upenn.edu/graduate/programs/translational-research-entrepreneurial-science-certificate/>)
- Translational Research, Certificate: Regulatory Science (<http://catalog.upenn.edu/graduate/programs/translational-research-regulatory-science-certificate/>)
- Translational Research, Certificate: Translational Science (<http://catalog.upenn.edu/graduate/programs/translational-research-translational-science-certificate/>)
- Translational Research, MSTR (<http://catalog.upenn.edu/graduate/programs/translational-research-mstr/>)

## U

- Urban Design, Certificate (<http://catalog.upenn.edu/graduate/programs/urban-design-certificate/>)
- Urban Education, MEd (<http://catalog.upenn.edu/graduate/programs/urban-education-msed/>)
- Urban Resilience, Certificate (<http://catalog.upenn.edu/graduate/programs/urban-resilience-certificate/>)
- Urban Spatial Analytics, MUSA (<http://catalog.upenn.edu/graduate/programs/urban-spatial-analytics-musa/>)
- Urban Teaching Apprenticeship, MEd (<http://catalog.upenn.edu/graduate/programs/urban-teaching-apprenticeship-msed/>)
- Urban Teaching Residency, MEd (<http://catalog.upenn.edu/graduate/programs/urban-teaching-residency-msed/>)

## V

- Veterinary Medicine, VMD (<http://catalog.upenn.edu/graduate/programs/veterinary-medicine-vmd/>)

## W

- Women's Health/Gender Related Nurse Practitioner, MSN (<http://catalog.upenn.edu/graduate/programs/womens-health-gender-related-np-msn/>)