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)
- Actuarial Science, MBA (http://catalog.upenn.edu/graduate/programs/actuarial-science-mba)
- 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 Specialist, Certificate (http://catalog.upenn.edu/graduate/programs/adult-oncology-specialist-certificate)
- Adult Oncology Specialist, Minor (http://catalog.upenn.edu/graduate/programs/adult-oncology-specialist-minor)
- 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)
- Anthropology, Archaeology, PhD (http://catalog.upenn.edu/graduate/programs/anthropology-archaeology-phd)
- Anthropology, Cultural, PhD (http://catalog.upenn.edu/graduate/programs/anthropology-cultural-phd)
- Anthropology, Linguistic, PhD (http://catalog.upenn.edu/graduate/programs/anthropology-linguistic-phd)
- Anthropology, Medical, PhD (http://catalog.upenn.edu/graduate/programs/anthropology-medical-phd)
- Anthropology, Physical, PhD (http://catalog.upenn.edu/graduate/programs/anthropology-physical-phd)
- 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, MS (http://catalog.upenn.edu/graduate/programs/architecture-ms)
- Architecture, PhD (http://catalog.upenn.edu/graduate/programs/architecture-phd)
- Architecture: Advanced Architectural Design, MSD (http://catalog.upenn.edu/graduate/programs/architecture-advanced-architectural-design-msd)
- Architecture: Environmental Building Design, MSD (http://catalog.upenn.edu/graduate/programs/architecture-environmental-building-design-msd)
- Architecture: Historic Preservation, MSD (http://catalog.upenn.edu/graduate/programs/architecture-historic-preservation-msd)
- 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)

B

- Behavioral and Decision Sciences, MBDS (http://catalog.upenn.edu/graduate/programs/behavioral-decision-sciences-mbds)
- Biochemistry and Molecular Biophysics, PhD (http://catalog.upenn.edu/graduate/programs/biochemistry-molecular-biophysics-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)
- Biotechnology, MBIOT (http://catalog.upenn.edu/graduate/programs/biotechnology-mb)
- 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-sustainability-mba)

C

- Cell and Molecular Biology: Cancer Biology, PhD (http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-cancer-biology-phd)
- Cell and Molecular Biology: Cell Biology, Physiology, and Metabolism, PhD (http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-cell-biology-physiology-metabolism-phd)
- Cell and Molecular Biology: Developmental, Stem Cell, and Regenerative Biology, PhD (http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-developmental-stem-cell-regenerative-biology-phd)
• Cell and Molecular Biology: Gene Therapy and Vaccines, PhD (http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-gene-therapy-vaccines-phd)

• Cell and Molecular Biology: Genetics and Epigenetics, PhD (http://catalog.upenn.edu/graduate/programs/cell-molecular-biology-genetics-epigenetics-phd)

• Cell and Molecular Biology: Microbiology, Virology, and Parasitology, PhD (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)

• City & Regional Planning: Community and Economic Development, MCP (http://catalog.upenn.edu/graduate/programs/city-regional-planning-community-economic-development-mcp)

• City & Regional Planning: Land Use & Environmental Planning, MCP (http://catalog.upenn.edu/graduate/programs/city-regional-planning-land-use-environmental-planning-mcp)

• City & Regional Planning: Public & Private Development, MCP (http://catalog.upenn.edu/graduate/programs/city-regional-planning-public-private-development-mcp)

• City & Regional Planning: Smart Cities, MCP (http://catalog.upenn.edu/graduate/programs/city-regional-planning-smart-cities-mcp)

• City & Regional Planning: Sustainable Transportation & Infrastructure, MCP (http://catalog.upenn.edu/graduate/programs/city-regional-planning-sustainable-transportation-infrastructure-mcp)

• City & Regional Planning: Urban Design, MCP (http://catalog.upenn.edu/graduate/programs/city-regional-planning-urban-design-mcp)

• City Planning, PhD (http://catalog.upenn.edu/graduate/programs/city-planning-phd)

• Classical Studies, PhD (http://catalog.upenn.edu/graduate/programs/classical-studies-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)

• 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)

• Counseling and Mental Health Services, MSED (http://catalog.upenn.edu/graduate/programs/counseling-mental-health-services-msed)

• Criminology, MS (http://catalog.upenn.edu/graduate/programs/criminology-ms)

• Criminology, PhD (http://catalog.upenn.edu/graduate/programs/criminology-phd)

• 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)

• 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, MSED (http://catalog.upenn.edu/graduate/programs/education-entrepreneurship-msed)

• Education Policy, MSED (http://catalog.upenn.edu/graduate/programs/education-policy-msed)

• Education Policy, PhD (http://catalog.upenn.edu/graduate/programs/education-policy-phd)

• Education, Culture, and Society, MSED (http://catalog.upenn.edu/graduate/programs/education-culture-society-msed)

• 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-ed)

• Educational Leadership, EdD (http://catalog.upenn.edu/graduate/programs/educational-leadership-ed)

• Educational Linguistics, EdD (http://catalog.upenn.edu/graduate/programs/educational-linguistics-ed)

• 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)
• Embedded Systems, MSE (http://catalog.upenn.edu/graduate/programs/embedded-systems-mse)
• Emerging Design and Research, Certificate (http://catalog.upenn.edu/graduate/programs/emerging-design-research-certificate)
• 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 Geology, MSAG (http://catalog.upenn.edu/graduate/programs/engineering-geology-ms)
• 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 Biology, MES (http://catalog.upenn.edu/graduate/programs/environmental-biology-mes)
• Environmental Building Design, Certificate (http://catalog.upenn.edu/graduate/programs/environmental-building-design-certificate)
• Environmental Geology, MSAG (http://catalog.upenn.edu/graduate/programs/environmental-geology-ms)
• Environmental Policy, MES (http://catalog.upenn.edu/graduate/programs/environmental-policy-mes)
• Environmental Resilience & Adaptation, MES (http://catalog.upenn.edu/graduate/programs/environmental-resilience-adaptation-mes)
• Environmental Studies, MES (http://catalog.upenn.edu/graduate/programs/environmental-studies-mes)
• Environmental Sustainability, MES (http://catalog.upenn.edu/graduate/programs/environmental-sustainability-mes)
• Epidemiology and Biostatistics: Biostatistics, MS (http://catalog.upenn.edu/graduate/programs/epidemiology-biostatistics-biostatistics-ms)
• Epidemiology and Biostatistics: Biostatistics, PhD (http://catalog.upenn.edu/graduate/programs/epidemiology-biostatistics-biostatistics-phd)
• Epidemiology and Biostatistics: Epidemiology, PhD (http://catalog.upenn.edu/graduate/programs/epidemiology-biostatistics-epidemiology-phd)
• Ethics and Legal Studies, PhD (http://catalog.upenn.edu/graduate/programs/ethics-legal-studies-phd)
• Executive MBA (http://catalog.upenn.edu/graduate/programs/executive-mba)
• Fine Arts, MFA (http://catalog.upenn.edu/graduate/programs/fine-arts-mfa)

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)
• German Languages and Literatures, PhD (http://catalog.upenn.edu/graduate/programs/german-languages-literatures-phd)
• Global Health, Minor (http://catalog.upenn.edu/graduate/programs/global-health-minor)
• 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)

H
• 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 Leadership, MSN (http://catalog.upenn.edu/graduate/programs/health-leadership-msn)
• Health Policy Research, MS (http://catalog.upenn.edu/graduate/programs/health-policy-research-ms)
• Health Policy Research: Health Care Quality & Safety, Certificate (http://catalog.upenn.edu/graduate/programs/health-policy-research-health-care-quality-safety-certificate)
• Health Policy Research: Health Care Quality & Safety, MS (http://catalog.upenn.edu/graduate/programs/health-policy-research-health-care-quality-safety-ms)
• 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, 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, MA (http://catalog.upenn.edu/graduate/programs/history-ma)
• History, PhD (http://catalog.upenn.edu/graduate/programs/history-phd)
• Hydrogeology, MSAG (http://catalog.upenn.edu/graduate/programs/hydrogeology-msag)
• Hydrology, MSAG (http://catalog.upenn.edu/graduate/programs/hydrology-msag)

• Immunology, PhD (http://catalog.upenn.edu/graduate/programs/immunology-phd)
• Independent School Teaching Residency, MSEd (http://catalog.upenn.edu/graduate/programs/independent-school-teaching-residency-msed)
• Individualized Applied Geosciences, MSAG (http://catalog.upenn.edu/graduate/programs/individualized-applied-geosciences-msag)
• Individualized Environmental, MES (http://catalog.upenn.edu/graduate/programs/individualized-environmental-mes)
• Individualized Major, MBA (http://catalog.upenn.edu/graduate/programs/individualized-major-mba)
• Individualized, MPhil (http://catalog.upenn.edu/graduate/programs/individualized-mphil)
• Insurance and Risk Management, MBA (http://catalog.upenn.edu/graduate/programs/insurance-risk-management-mba)
• 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)
• Intercultural Communication, MSEd (http://catalog.upenn.edu/graduate/programs/intercultural-communication-msed)
• 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, MPA (http://catalog.upenn.edu/graduate/programs/international-mpa)

• Land Preservation, Certificate (http://catalog.upenn.edu/graduate/programs/land-preservation-certificate)
• 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)
• 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)
• Learning Sciences & Technologies, MSEd (http://catalog.upenn.edu/graduate/programs/learning-sciences-technologies-msed)
• 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)

• 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, MSEd (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, MMP (http://catalog.upenn.edu/graduate/programs/medical-physics-mmp)
• Multinational Management, MBA (http://catalog.upenn.edu/graduate/programs/multinational-management-mba)
• Music: Ethnomusicology, PhD (http://catalog.upenn.edu/graduate/programs/music-ethnomusicology-phd)
• Music: History of Music, PhD (http://catalog.upenn.edu/graduate/programs/music-history-music-phd)
• Music: Musical Composition, PhD (http://catalog.upenn.edu/graduate/programs/music-musical-composition-phd)
• Music: Theory of Music, PhD (http://catalog.upenn.edu/graduate/programs/music-theory-music-phd)
• Nanotechnology, MSE (http://catalog.upenn.edu/graduate/programs/nanotechnology-mse)
• Near Eastern Languages and Civilizations: Biblical Studies, MA (http://catalog.upenn.edu/graduate/programs/near-eastern-languages-civilizations-biblical-studies-ma)
• Near Eastern Languages and Civilizations: Biblical Studies, PhD (http://catalog.upenn.edu/graduate/programs/near-eastern-languages-civilizations-biblical-studies-phd)
• Near Eastern Languages and Civilizations: Classical and Medieval Hebrew Literature, MA (http://catalog.upenn.edu/graduate/programs/near-eastern-languages-civilizations-classical-medieval-hebrew-literature-ma)
• Near Eastern Languages and Civilizations: Classical and Medieval Hebrew Literature, PhD (http://catalog.upenn.edu/graduate/programs/near-eastern-languages-civilizations-classical-medieval-hebrew-literature-phd)
• Near Eastern Languages and Civilizations: Egyptology and Archaeology, MA (http://catalog.upenn.edu/graduate/programs/near-eastern-languages-civilizations-egyptology-archaeology-ma)
• Near Eastern Languages and Civilizations: Egyptology, PhD (http://catalog.upenn.edu/graduate/programs/near-eastern-languages-civilizations-egyptology-phd)
• Near Eastern Languages and Civilizations: Mesopotamian Civilization, MA (http://catalog.upenn.edu/graduate/programs/near-eastern-languages-civilizations-mesopotamian-civilization-ma)
• Near Eastern Languages and Civilizations: Mesopotamian Civilization, PhD (http://catalog.upenn.edu/graduate/programs/near-eastern-languages-civilizations-mesopotamian-civilization-phd)
• Near Eastern Languages and Civilizations: Middle Eastern Literatures and Societies, MA (http://catalog.upenn.edu/graduate/programs/near-eastern-languages-civilizations-arabic-islamic-studies-ma)
• Near Eastern Languages and Civilizations: Middle Eastern Literatures and Societies, PhD (http://catalog.upenn.edu/graduate/programs/near-eastern-languages-civilizations-arabic-islamic-studies-phd)
• Neonatal Nurse Practitioner, MSN (http://catalog.upenn.edu/graduate/programs/medical-neonatal-nurse-practitioner-msn)
• Neuroscience, PhD (http://catalog.upenn.edu/graduate/programs/neuroscience-phd)
• Nonprofit Administration, Certificate (http://catalog.upenn.edu/graduate/programs/nonprofit-administration-certificate)
• 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 & Health Care Administration, MSN (http://catalog.upenn.edu/graduate/programs/nursing-health-care-administration-msn)
• Nursing Administration, Minor (http://catalog.upenn.edu/graduate/programs/nursing-administration-minor)
• Nursing, DNP (http://catalog.upenn.edu/graduate/programs/nursing-dnp)
• Nursing, PhD (http://catalog.upenn.edu/graduate/programs/nursing-phd)
• Nutrition, Minor (http://catalog.upenn.edu/graduate/programs/nutrition-minor)
• Operations, Information and Decisions, MBA (http://catalog.upenn.edu/graduate/programs/operations-information-decisions-mba)
• 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 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)
• 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 Primary Care Nurse Practitioner, MSN (http://catalog.upenn.edu/graduate/programs/pediatric-primary-care-np-msn)
• Pedodontics, Certificate (http://catalog.upenn.edu/graduate/programs/pedodontics-certificate)
• Penn Chief Learning Officer, EdD (http://catalog.upenn.edu/graduate/programs/penn-chief-learning-officer-edd)
• Periodontics, Certificate (http://catalog.upenn.edu/graduate/programs/periodontics-certificate)
• Perioprosthetics, Certificate (http://catalog.upenn.edu/graduate/programs/perioprosthetics-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)
• Politics, Certificate (http://catalog.upenn.edu/graduate/programs/politics-certificate)
• Professional Counseling, MPhilEd (http://catalog.upenn.edu/graduate/programs/professional-counseling-mphil)
• Program for Advanced Standing Students, DMD (http://catalog.upenn.edu/graduate/programs/pass-dmd)
• Prosthodontics, Certificate & Oral Biology, MSOB (http://catalog.upenn.edu/graduate/programs/prosthodontics-certificate)
• Psychiatric Mental Health Nurse Practitioner, MSN (http://catalog.upenn.edu/graduate/programs/psychiatric-mental-health-MSN)
• Psychology, PhD (http://catalog.upenn.edu/graduate/programs/psychology-phd)
• Public Finance, Certificate (http://catalog.upenn.edu/graduate/programs/public-finance-certificate)
• Public Health, MPH (http://catalog.upenn.edu/graduate/programs/public-health-mph)

• 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 Methods, MPhilEd (http://catalog.upenn.edu/graduate/programs/quantitative-methods-mphil)
• Quantitative Methods, PhD (http://catalog.upenn.edu/graduate/programs/quantitative-methods-phd)

• Reading/Writing/Literacy, Certificate (http://catalog.upenn.edu/graduate/programs/reading-writing-literacy-certificate)
• Reading/Writing/Literacy, EdD (http://catalog.upenn.edu/graduate/programs/reading-writing-literacy-edd)
• Reading/Writing/Literacy, MSEd (http://catalog.upenn.edu/graduate/programs/reading-writing-literacy-msed)
• Reading/Writing/Literacy, PhD (http://catalog.upenn.edu/graduate/programs/reading-writing-literacy-phd)
• 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, MRA (http://catalog.upenn.edu/graduate/programs/regulatory-affairs-mra)
• Regulatory Science, MRS (http://catalog.upenn.edu/graduate/programs/regulatory-science-mrs)
• Religious Studies, PhD (http://catalog.upenn.edu/graduate/programs/religious-studies-phd)
• Resource Management, MES (http://catalog.upenn.edu/graduate/programs/resource-management-mes)
• Robotics, MSE (http://catalog.upenn.edu/graduate/programs/robotics-mse)
• Romance Languages: French and Francophone Studies, PhD (http://catalog.upenn.edu/graduate/programs/romance-languages-french-studies-phd)
• Romance Languages: Hispanic Studies, PhD (http://catalog.upenn.edu/graduate/programs/romance-languages-hispanic-studies-phd)
• Romance Languages: Italian Studies, PhD (http://catalog.upenn.edu/graduate/programs/romance-languages-italian-studies-phd)

• School & Mental Health Counseling, MSED (http://catalog.upenn.edu/graduate/programs/school-mental-health-counseling-msed)
• School Leadership, Certificate (http://catalog.upenn.edu/graduate/programs/school-leadership-certificate)
• School Leadership, MSEd (http://catalog.upenn.edu/graduate/programs/school-leadership-msed)
• Scientific Computing, MSE (http://catalog.upenn.edu/graduate/programs/scientific-computing-mse)
• Social Policy, MSSP (http://catalog.upenn.edu/graduate/programs/social-policy-mssp)
• Social Policy/Data Analytics, MSSP & Certificate (http://catalog.upenn.edu/graduate/programs/social-policy-data-analytics-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)
• Social, Cognitive, & Affective Neuroscience, Certificate (http://catalog.upenn.edu/graduate/programs/social-cognitive-affective-neuroscience-certificate)
• Sociology, PhD (http://catalog.upenn.edu/graduate/programs/sociology-phd)
• 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)
• Statistics, MBA (http://catalog.upenn.edu/graduate/programs/statistics-mba)
• Statistics, Measurement, Assessment, and Research Technology, MSEd (http://catalog.upenn.edu/graduate/programs/statistics-measurement-assessment-research-technology-msed)
• Statistics, PhD (http://catalog.upenn.edu/graduate/programs/statistics-phd)
• 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, MSEd (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, MSTR (http://catalog.upenn.edu/graduate/programs/translational-research-mstr)
• Translational Research: Entrepreneurial Science, Certificate (http://catalog.upenn.edu/graduate/programs/translational-research-entrepreneurial-science-certificate)
• Translational Research: Regulatory Science, Certificate (http://catalog.upenn.edu/graduate/programs/translational-research-regulatory-science-certificate)
• Translational Research: Translational Science, Certificate (http://catalog.upenn.edu/graduate/programs/translational-research-translational-science-certificate)

U
• Urban Design, Certificate (http://catalog.upenn.edu/graduate/programs/urban-design-certificate)
• Urban Environment, MES (http://catalog.upenn.edu/graduate/programs/urban-environment-mes)
• Urban Redevelopment, Certificate (http://catalog.upenn.edu/graduate/programs/urban-redevelopment-certificate)
• 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, MSED (http://catalog.upenn.edu/graduate/programs/urban-teaching-apprenticeship-msed)
• Urban Teaching Residency, MSED (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 Studies, Minor (http://catalog.upenn.edu/graduate/programs/womens-health-studies-minor)
• Women's Health/Gender Related Nurse Practitioner, MSN (http://catalog.upenn.edu/graduate/programs/womens-health-gender-related-np-msn)