

# PROGRAMS

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## Graduate Major Degree Programs

- Accounting (Behrend)
- Accounting (Capital)
- Accounting (Great Valley)
- Accounting (Smeal)
- Accounting Analytics
- Acoustics
- Additive Manufacturing and Design
- Aerospace Engineering
- African American and Diaspora Studies
- African Studies
- Agricultural and Biological Engineering
- Agricultural and Environmental Plant Science
- American Studies
- Anatomy
- Ancient Mediterranean Studies
- Animal Science
- Anthropology
- Applied Behavior Analysis
- Applied Linguistics
- Architectural Engineering
- Architecture
- Art
- Art Education
- Art History
- Artificial Intelligence
- Asian Studies
- Astrobiology
- Astronomy and Astrophysics
- Athletic Training
- Biobehavioral Health
- Biochemistry, Microbiology, and Molecular Biology
- Bioethics
- Biogeochemistry
- Bioinformatics and Genomics
- Biology
- Biomedical Engineering
- Biomedical Sciences
- BioRenewable Systems
- Biostatistics
- Biotechnology
- Business Administration (Behrend)
- Business Administration (Capital)
- Business Administration (Executive)
- Business Administration (Great Valley)
- Business Administration (Intercollege)
- Business Administration (Smeal)
- Business Analytics
- Chemical Engineering
- Chemistry
- Civil Engineering (Capital)
- Civil Engineering (Engineering)
- Classics and Ancient Mediterranean Studies
- Climate Science
- Clinical and Translational Sciences
- Clinical Psychology
- Clinical Research
- Communication Arts and Sciences
- Communication Sciences and Disorders
- Communications
- Community and Economic Development
- Comparative and International Education
- Comparative Literature
- Computer Science
- Computer Science and Engineering
- Corporate Innovation and Entrepreneurship
- Counselor Education
- Criminal Justice
- Criminal Justice Policy and Administration
- Criminology
- Curriculum and Instruction
- Cybersecurity Analytics and Operations
- Data Analytics
- Demography
- Ecology
- Economics
- Ecosystem Management and Administration
- Education
- Education Policy and Leadership
- Education, Development and Community Engagement
- Educational Leadership
- Educational Psychology
- Educational Theory and Policy
- Electrical Engineering (Capital)
- Electrical Engineering (Engineering)
- Energy and Mineral Engineering
- Energy, Environmental, and Food Economics
- Engineering
- Engineering at the Nano-scale
- Engineering Design
- Engineering Leadership and Innovation Management
- Engineering Management (Capital)
- Engineering Management (Great Valley)
- Engineering Science and Mechanics
- Engineering Systems
- Engineering, Law, and Policy
- English
- Enterprise Architecture and Business Transformation
- Entomology
- Environmental Engineering
- Epidemiology

- Finance (Great Valley)
  - Finance (Smeal)
  - Food Science
  - Forensic Science
  - Forest Resources
  - French and Francophone Studies
  - Geodesign
  - Geographic Information Systems
  - Geography
  - Geosciences
  - German
  - Health Administration
  - Health Policy and Administration
  - Higher Education
  - History
  - Homeland Security
  - Hospitality Management
  - Human Development and Family Studies
  - Human Resources and Employment Relations
  - Industrial Engineering
  - Informatics
  - Information Science
  - Information Systems
  - Integrative and Biomedical Physiology
  - International Affairs
  - International Agriculture and Development
  - Kinesiology
  - Labor and Global Workers' Rights
  - Laboratory Animal Medicine
  - Landscape Architecture
  - Language Science
  - Leadership Development
  - Learning, Design, and Technology
  - Lifelong Learning and Adult Education
  - Marketing Analytics and Insights
  - Mass Communications
  - Materials Science and Engineering
  - Mathematics
  - Mechanical Engineering (Capital)
  - Mechanical Engineering (Engineering)
  - Media Studies
  - Meteorology and Atmospheric Science
  - Microbiome Sciences
  - Molecular, Cellular and Integrative Biosciences
  - Music
  - Music Education
  - Neuroscience (Hershey)
  - Neuroscience (Science)
  - Nuclear Engineering
  - Nursing
  - Nutritional Sciences
  - Operations Research
  - Organization Development and Change
  - Pathobiology
  - Philosophy
  - Physics
  - Piano Performance
  - Plant Biology
  - Plant Pathology
  - Political Science
  - Project Management
  - Psychology
  - Psychology of Leadership
  - Public Administration
  - Public Health
  - Public Policy
  - Quality and Manufacturing Management
  - Real Estate Analysis and Development
  - Recreation, Park, and Tourism Management
  - Renewable Energy and Sustainability Systems
  - Rural Sociology
  - Russian and Comparative Literature
  - School Psychology
  - Social and Behavioral Neuroscience
  - Social Data Analytics
  - Social Work
  - Sociology
  - Software Engineering
  - Soil Science
  - Spanish
  - Spatial Data Science
  - Special Education
  - Statistics
  - Strategic Communications
  - Strategic Management and Executive Leadership
  - Supply Chain Management
  - Systems Engineering
  - Taxation
  - Teaching and Curriculum
  - Teaching English as a Second Language
  - Theatre
  - Transdisciplinary Research on Environment and Society
  - Turfgrass Management
  - Visual Studies
  - Wildlife and Fisheries Science
  - Women's, Gender, and Sexuality Studies
  - Workforce Education and Development
- ## Graduate Minor Programs
- Computational Materials Graduate Minor
  - Computational Science Graduate Minor
  - Electrochemical Science and Engineering Graduate Minor
  - Gerontology Graduate Minor
  - Holocaust and Genocide Studies Graduate Minor

- Information and Communication Technologies for Development Graduate Minor
- Jewish Studies Graduate Minor
- Latin American Studies Graduate Minor
- Latina and Latino Studies Graduate Minor
- Linguistics Graduate Minor
- Literary Theory, Criticism, and Aesthetics Graduate Minor
- Science, Technology, and Society Graduate Minor
- Social Thought Graduate Minor

## Graduate Certificate Programs

- Accounting Foundations Graduate Credit Certificate Program
- Accounting Graduate Credit Certificate Program
- Additive Manufacturing and Design Graduate Credit Certificate Program
- Adult Basic Education Post-baccalaureate Credit Certificate Program
- Adult Education in the Health and Medical Professions Graduate Credit Certificate Program
- Adult Gerontology Acute Care Nurse Practitioner Graduate Credit Certificate Program
- Adult Gerontology Primary Care Nurse Practitioner Graduate Credit Certificate Program
- Advanced Principal Graduate Credit Certificate Program
- Agricultural Biosecurity and Food Defense Graduate Credit Certificate Program
- AI Engineering Graduate Credit Certificate Program
- Analytics for Managers Graduate Credit Certificate Program
- Ancient Languages Postbaccalaureate Credit Certificate Program
- Applied Behavior Analysis Graduate Credit Certificate Program
- Applied Demography Graduate Credit Certificate Program
- Applied Statistics Graduate Credit Certificate Program
- Business Analytics Graduate Credit Certificate Program
- Business Architecture Graduate Credit Certificate Program
- Business Management Foundations Graduate Credit Certificate Program
- Business Process Integration Graduate Credit Certificate Program
- Business Sustainability Strategy Graduate Credit Certificate Program
- Business-to-Business Marketing Graduate Credit Certificate Program
- Children's Literature Graduate Credit Certificate Program
- Clinical Research Graduate Credit Certificate Program
- Community and Economic Development Graduate Credit Certificate Program
- Computer Vision Graduate Credit Certificate Program
- Corporate Innovation and Entrepreneurship Graduate Credit Certificate Program
- Counterterrorism Graduate Credit Certificate Program
- Cyber Threat Analytics and Prevention Graduate Credit Certificate Program
- Data Analytics and Engineering Graduate Credit Certificate Program
- Data Analytics Graduate Credit Certificate Program
- Data Engineering for Analytics Graduate Credit Certificate Program
- Dietetic Internship Postbaccalaureate Credit Certificate Program
- Distance Education Postbaccalaureate Credit Certificate Program
- Diversity and Inclusion as Strategy Graduate Credit Certificate Program
- Diversity, Ethics, and Leadership Postbaccalaureate Credit Certificate Program
- e-Learning Design Graduate Credit Certificate Program
- Educating Individuals with Autism Postbaccalaureate Credit Certificate Program
- Educational Technology Integration Postbaccalaureate Credit Certificate Program
- Electrical Engineering Post-Baccalaureate Credit Certificate Program
- Engineering Leadership and Innovation Management Graduate Credit Certificate Program
- English as a Second Language Program Specialist Postbaccalaureate Credit Certificate Program
- Enterprise Architecture Graduate Credit Certificate Program
- Enterprise Information and Security Technology Architecture Graduate Credit Certificate Program
- Entrepreneurship & New Ventures Graduate Credit Certificate Program
- Family Literacy Postbaccalaureate Credit Certificate Program
- Family/Individual Across the Lifespan Nurse Practitioner Graduate Credit Certificate Program
- Financial Accounting Graduate Credit Certificate Program
- Financial Analysis Graduate Credit Certificate Program
- Financial Analytics Graduate Credit Certificate Program
- Financial Engineering Graduate Credit Certificate Program
- Folklore and Ethnography Graduate Credit Certificate Program
- Foundations of Artificial Intelligence Graduate Credit Certificate Program
- Foundations of Data Science Graduate Credit Certificate Program
- Fundamentals of Leadership Graduate Credit Certificate Program
- Geodesign Graduate Credit Certificate Program
- Geographic Information Systems Postbaccalaureate Credit Certificate Program
- Geospatial Intelligence Analytics Graduate Credit Certificate Program
- Geospatial Programming and Web Map Development Graduate Credit Certificate Program
- Global Health Graduate Credit Certificate Program
- Global Justice and Security Graduate Credit Certificate Program
- Global Management Graduate Credit Certificate Program
- Healthcare Supply Chain and Operations Management Graduate Credit Certificate Program
- Heritage and Museum Practice Graduate Credit Certificate Program
- Homeland Security Graduate Credit Certificate Program
- Hospital and Health System Preparedness Graduate Credit Certificate Program
- Hospitality Management Graduate Credit Certificate Program
- Human Resource Management Graduate Credit Certificate Program
- Human Resources and Employment Relations Foundations Graduate Credit Certificate Program
- Information Systems Cybersecurity Graduate Credit Certificate Program
- Institutional Research Graduate Credit Certificate Program
- International Affairs Graduate Credit Certificate Program
- International Development Policy Graduate Credit Certificate Program

- International Human Resources and Employment Relations Graduate Credit Certificate Program
- International Public Policy Graduate Credit Certificate Program
- International Security Studies Graduate Credit Certificate Program
- IT Analytics Graduate Credit Certificate Program
- Labor and Collective Bargaining Postbaccalaureate Credit Certificate Program
- Labor and Employment Law Graduate Credit Certificate Program
- Leading in Diversity, Equity & Inclusion Graduate Credit Certificate Program
- Life-Cycle System Design Graduate Credit Certificate Programs
- Management Accounting Graduate Credit Certificate Program
- Management Consulting Graduate Credit Certificate Program
- Management Essentials Graduate Credit Certificate Program
- Marketing Analytics Graduate Credit Certificate Program
- Natural Language Processing Graduate Credit Certificate Program
- Negotiation and Influence Graduate Credit Certificate Program
- Nonprofit Administration Graduate Credit Certificate Program
- Nurse Administrator Graduate Credit Certificate Program
- Nurse Educator Graduate Credit Certificate Program
- Organization Development and Change: Analytics Graduate Credit Certificate Program
- Organization Development and Change: Consulting Skills Graduate Credit Certificate Program
- Organization Development and Change: Essentials Graduate Credit Certificate Program
- Organization Development and Change: Occupational Safety and Health Graduate Credit Certificate Program
- Organization Development and Change: Operational Excellence Graduate Credit Certificate Program
- Organizational Leadership Graduate Credit Certificate Program
- People Analytics and Artificial Intelligence Graduate Credit Certificate Program
- Policy Analysis and Evaluation Graduate Credit Certificate Program
- Primary Palliative Care Graduate Credit Certificate Program
- Principalship Graduate Credit Certificate Program
- Project Management Graduate Credit Certificate Program
- Project Quality Management Graduate Credit Certificate Program
- Psychology of Ethical Leadership Graduate Credit Certificate Program
- Psychology of Leadership Foundations Graduate Certificate
- Psychology of Team Leadership Graduate Credit Certificate Program
- Public Budgeting and Financial Management Graduate Credit Certificate Program
- Public Health Graduate Credit Certificate Program
- Public Health Preparedness Graduate Credit Certificate Program
- Public Sector Human Resources Management Graduate Credit Certificate Program
- Quality Management Across Product Lifecycle Graduate Credit Certificate Program
- Quantitative Business Essentials Graduate Credit Certificate Program
- Quantitative Decision Making for Engineering Managers Graduate Credit Certificate Program
- Real Estate Law and Valuation Graduate Credit Certificate Program
- Remote Sensing and Earth Observation Graduate Credit Certificate Program
- Sensory and Consumer Science Graduate Credit Certificate Program
- Software Architecture and Design Graduate Credit Certificate Program
- Solar Energy Graduate Credit Certificate Program
- Strategic Human Resources and Workplace Ethics Graduate Credit Certificate
- Strategic Leadership Graduate Credit Certificate Program
- Superintendency Graduate Credit Certificate Program
- Supply Chain and Operations Management Graduate Credit Certificate Program
- Supply Chain Management Graduate Credit Certificate Program
- Supply Chain Risk Management Graduate Credit Certificate Program
- Survey Research Methods Graduate Credit Certificate Program
- Sustainability & Social Impact Graduate Credit Certificate Program
- Sustainability Management and Policy Graduate Credit Certificate Program
- Sustainable Development in Africa Graduate Credit Certificate Program
- System Modeling and Analysis Graduate Credit Certificate Program
- System Quality & Risk Evaluation Graduate Credit Certificate Program
- Systems Data Analytics Graduate Credit Certificate Programs
- Talent Management Graduate Credit Certificate Program
- Taxation Graduate Credit Certificate Program
- Teacher Leadership Graduate Credit Certificate Program
- Technical Management and Leadership Essentials Graduate Credit Certificate Program
- Technical Management Graduate Credit Certificate Program
- Translational Science Graduate Credit Certificate Program
- Trauma-Informed Psychotherapy Graduate Credit Certificate Program