

# USING THIS BULLETIN

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## Changes to the Graduate Bulletin

Changes to the Graduate Bulletin will be tracked in real-time and listed below. At the end of every semester, these updates will be incorporated into the Bulletin.

### Program Changes Effective Summer 2023

#### Business Administration (Intercollege)

Change residency experience.

#### Corporate Finance

Change graduate program name to Finance.

#### Education

Add new online graduated degree program offering the Doctor of Education (D.Ed.) degree.

#### Supply Chain Management

Change degree requirements.

### Certificate Changes Effective Summer 2023

#### Accounting Foundations Graduate Credit Certificate Program

Certificate renewed.

#### CounterTerrorism Graduate Credit Certificate Program

Certificate renewed.

#### Dietetic Internship Postbaccalaureate Certificate Program

Certificate renewed.

#### Geospatial Programming and Web Map Development Graduate Credit Certificate Program

Certificate renewed.

#### Global Health Graduate Credit Certificate Program

Certificate renewed.

#### Hospitality Management Graduate Credit Certificate Program

New certificate offering.

#### Human Factors Engineering and Ergonomics Graduate Credit Certificate Program

Drop certificate program.

#### International Affairs Graduate Credit Certificate Program

Certificate renewed.

#### International Development and Policy Graduate Credit Certificate Program

Certificate renewed.

#### International Public Policy Graduate Credit Certificate Program

Certificate renewed.

#### International Security Studies Graduate Credit Certificate Program

Certificate renewed.

#### Public Health Graduate Credit Certificate Program

Certificate renewed.

#### Translational Science Graduate Credit Certificate Program

Certificate renewed.

#### Teaching and Learning Online in K-12 setting Postbaccalaureate Certificate Program

Expiration of certificate program.

### Program Changes Effective Fall 2023

#### Accounting Analytics

Add a new graduate program offering the Master of Accounting (M.Acc.) degree.

#### Agricultural and Biological Engineering

Change degree requirements.

#### Applied Linguistics

Adopt dual-title in African Studies for the Ph.D. degree.

#### Applied Statistics

Add IUG pairing the B.S. in Data Sciences with the M.A.S. degree.

#### Business Administration (Smeal)

Add Doctor of Business Administration (D.B.A.) degree.

#### Civil Engineering (Capital)

Add IUG pairing the B.S. in Civil Engineering with the M.S. degree.

#### Finance

Change degree requirements.

#### Geographic Information Systems

Change degree requirements.

#### Lifelong Learning and Adult Education

Change admission and degree requirements.

#### Political Science

Change degree requirements.

### Certificate Changes Effective Fall 2023

#### Geospatial Intelligence Applications Postbaccalaureate Certificate Program

Drop certificate program.

#### Gerontology Postbaccalaureate Credit Certificate Program

Expiration of certificate program.

#### Weather and Climate Analytics Graduate Credit Certificate Program

Expiration of certificate program.

### Program Changes Effective Spring 2024

#### Accounting (Great Valley)

Add IUG pairing B.S. in Accounting with the M.P.Acc. degree.

#### Anthropology

Adopt dual-title in Microbiome Sciences.

#### Business Administration (Smeal)

Change degree requirements.

#### Ecology

Adopt dual-title in Microbiome Sciences for the Ph.D. degree.

#### Enterprise Architecture and Business Transformation

Change degree title to Master of Enterprise Architecture (M.A.E.) and change degree requirements.

**Forensic Science**

Change degree requirements.

**Hospitality Management**

Discontinue offering the M.S. degree.

**Management and Organizational Leadership**

Drop graduate program.

**Physics**

Change degree requirements.

**Social and Behavioral Neuroscience**

Change dual-title requirements.

**Software Engineering**

Add IUG pairing B.S. in Computer Science with the M.S.E. degree.

**Certificate Changes Effective Spring 2024**

**AI Engineering Graduate Credit Certificate Program**

New certificate offering.

**Business Analytics Graduate Credit Certificate Program**

Certificate renewed.

**Business Sustainability Strategy Graduate Credit Certificate Program**

Change requirements and renew certificate.

**Computer Vision Graduate Credit Certificate Program**

New certificate offering.

**Data Analytics Graduate Credit Certificate Program**

Change requirements and renew certificate.

**Data Analytics and Engineering Graduate Credit Certificate Program**

New certificate offering.

**Data Engineering for Analytics Graduate Credit Certificate Program**

New certificate offering.

**Diversity and Inclusion as Strategy Graduate Credit Certificate Program**

Change requirements and renew certificate.

**Diversity, Ethics, and Leadership Postbaccalaureate Credit Certificate Program**

New certificate offering.

**Foundations of Artificial Intelligence Graduate Credit Certificate Program**

New certificate offering.

**Foundations of Data Science Graduate Credit Certificate Program**

New certificate offering.

**Human Resources and Employment Relations Foundations Graduate Credit Certificate Program**

Change certificate title from "Human Resources and Employment Relations", change requirements, and renew certificate.

**International Human Resources and Employment Relations Graduate Credit Certificate Program**

Change requirements and renew certificate.

**Labor and Collective Bargaining Postbaccalaureate Credit Certificate Program**

New certificate offering.

**Labor and Employment Law Graduate Credit Certificate Program**

New certificate offering.

**Life-cycle System Design Graduate Credit Certificate Program**

New certificate offering.

**Marketing Analytics Graduate Credit Certificate Program**

Certificate Renewed.

**Natural Language Processing Graduate Credit Certificate Program**

New certificate offering.

**Negotiation and Influence Graduate Credit Certificate Program**

Certificate Renewed.

**People Analytics and Artificial Intelligence Graduate Credit Certificate Program**

New certificate offering.

**Project Quality Management Graduate Credit Certificate Program**

New certificate offering.

**Psychology of Ethical Leadership Graduate Credit Certificate**

New certificate offering.

**Psychology of Leadership Foundations Graduate Credit Certificate Program**

New certificate offering.

**Psychology of Team Leadership Graduate Credit Certificate Program**

New certificate offering.

**Quality Management Across Product Lifecycle Graduate Credit Certificate Program .**

New certificate offering.

**Quantitative Decision Making for Engineering Managers Graduate Credit Certificate Program**

New certificate offering.

**Software Architecture and Design Graduate Credit Certificate Program**

New certificate offering.

**Strategic Human Resources and Workplace Ethics Graduate Credit Certificate**

New certificate offering.

**System Modeling and Analysis Graduate Credit Certificate Program**

New certificate offering.

**System Quality & Risk Evaluation Graduate Credit Certificate Program**

New certificate offering.

**Systems Data Analytics Graduate Credit Certificate Program**

New certificate offering.

**Talent Management Graduate Credit Certificate Program**

New certificate offering.

**Technical Management Graduate Credit Certificate Program**

New certificate offering.

**Technical Management and Leadership Essentials Graduate Credit Certificate Program**

New certificate offering.

**Trauma-Informed Psychotherapy Graduate Credit Certificate Program**

Certificate Renewed.