



Programs in Enterprise Architecture



PennState
World Campus

worldcampus.psu.edu

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Enterprise Architecture Programs

The educational decision you are about to make is also an important career decision. By choosing Penn State's online Master of Enterprise Architecture in Enterprise Architecture and Business Transformation (EABT) program or a Graduate Certificate in Enterprise Architecture (EA), you are choosing to be a leader in a professional field that is gaining momentum around the globe. These unique programs were designed with significant input from more than 70 corporations, government bodies, and industry associations.

EA, once considered simply a means of linking IT strategy and execution in an organization, has evolved to become a mechanism for aligning the entire enterprise — the business strategy and goals — with information systems and technology. And EA has grown increasingly important to all types of organizations as they strive to become more efficient, effective, and agile.

The Penn State graduate certificates in EA and master's degree in EABT programs were designed to prepare students to thrive as employees in an environment that increasingly stretches across information technology in all areas of a business — giving them the knowledge to help businesses and governments achieve their goals.



“Today’s companies are facing increasing pressure to maximize their technological investments and are continually facing digital disruption from competitors. The master’s in enterprise architecture and business transformation can give our students the skills to help their organizations leverage technology in a strategic, forward-thinking way in today’s rapidly changing business landscape.”

— Dr. David J. Fusco
Assistant Teaching Professor





Why Penn State?

A Respected, High-Quality Education

In 1892, Penn State founded one of our nation's first correspondence courses; in 1998, we were one of the first major accredited universities to provide online education. We are committed to ensuring that you have access to a quality academic experience, even when you have job and family obligations to fulfill. Our EA programs have been developed through a partnership between Penn State's College of Information Sciences and Technology and Penn State World Campus, a pioneer in providing global online access to a real university education.

Your online courses are the same academically challenging courses that are taught on campus. Yet they give you the flexibility and convenience to study wherever you are, at times that suit your own schedule.

Faculty

The courses in the graduate certificates in EA and the master's degree in enterprise architecture and business transformation are designed and taught by Penn State faculty members whose teaching and research interests combine academic expertise and industry experience. They are leaders in their fields and experts in the subjects that they teach, and they are committed to making sure you get a quality academic experience in your online programs.

Employer Recognized and Accepted

The online graduate certificates in EA and master's degree in EABT programs will carry the same Penn State commitment to high quality that is respected by employers everywhere. And when you graduate, your diploma will be the same as any other awarded by Penn State. Penn State World Campus is the real Penn State. The only difference is the way in which the courses are delivered to you.

Graduate Certificate in Enterprise Architecture

Penn State's 9-credit online Graduate Certificate in EA was designed to give you a solid foundation of knowledge as you explore how to integrate strategic, business, and technology planning methods and best practices. The certificate was created for professionals already working in enterprise architecture who want to formalize their current skills, or for individuals who are newly interested in the profession.

In addition to its practical applications, the graduate certificate can be used as a first step in your education or as a stand-alone credential. The credits that you earn in the certificate may be applied to the requirements for the master's degree in enterprise architecture and business transformation, if you are accepted into the master's program.

Required Courses (9 credits)

EA 871: Enterprise Architecture Foundations I (3 credits)

EA 873: Enterprise Modeling (3 credits)

EA 874: Enterprise Information Technology Architecture (3 credits)



Graduate Certificate in Enterprise Information and Security Technology Architecture

With this 9-credit online graduate certificate program, you can acquire the most innovative knowledge available today regarding facets of enterprise information related to challenging issues in technology and security, including:

- > the enterprise information
- > technology stack
- > enterprise architecture gap analysis
- > migration planning
- > analytical risk management
- > governance and measurement
- > security and network management strategy, including intrusion detection, encryption, authentication, and network management

If you are a professional already working in the area of enterprise architecture and technology, with perhaps a strong background in information technology, business, engineering, and security — or other certifications such as CISSP, PMP, or TOGAF — this certificate is an excellent choice for you. You may also be able to use it as a first step in your education or as a stand-alone credential to add to your résumé.



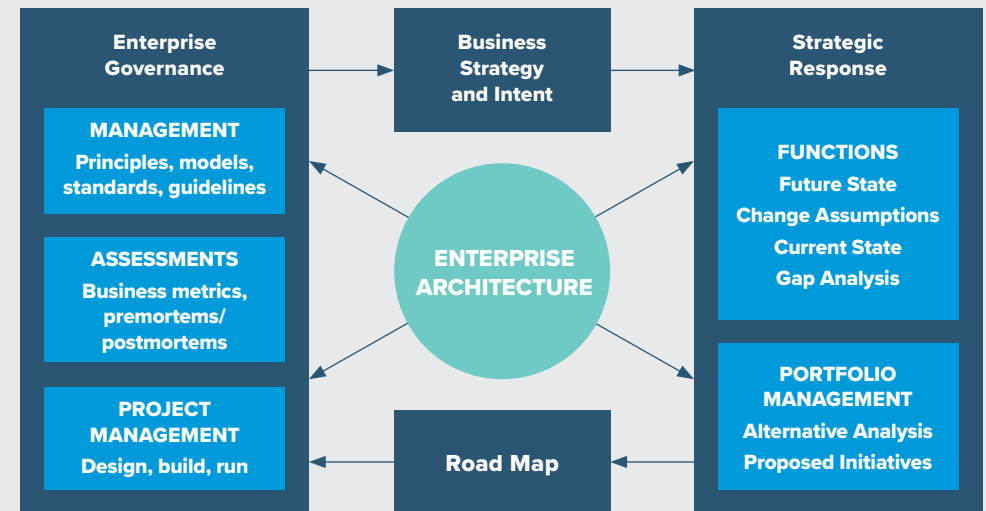
Required Courses (9 credits)

EA 874: Enterprise Information Technology Architecture (3 credits)

EA 876: Architecting Enterprise Security and Risk Analysis (3 credits)

IST 554: Network Management and Security (3 credits)

Enterprise Architecture: Strategy, Business, Planning



Enterprise Architecture's Role in Bridging Strategy and Execution
Source: Gartner



Master of Enterprise Architecture in Enterprise Architecture and Business Transformation

The successful EA professional requires a unique combination of skills and perspectives. He or she needs to integrate a variety of planning methods with an ability to understand, analyze, justify, and communicate the solution to enterprise architecture problems. These unique skills and perspectives position the EA professional for a wide variety of leadership roles within the enterprise. Not surprisingly, such people are in high demand in industry, government, and nonprofit organizations. However, the supply of experts with the needed breadth of knowledge in both enterprise technology and business is scarce.

To meet the increased demand for EA-related professionals, Penn State has developed the online Master of Enterprise Architecture in Enterprise Architecture and Business Transformation program. This program was created with significant input from leading corporations, industry associations, and government bodies through our Center for Enterprise Architecture. It is designed for people who are responsible or will be responsible for business strategy and vision.

Curriculum

This 33-credit master's degree program can help you acquire the high-level organizational competencies required to integrate strategic-, business-, and technology-planning methods, as well as the ability to understand, analyze, justify, and communicate the solution of enterprise architecture problems.

The curriculum blends content from enterprise systems and architecture as well as many areas of business. It includes eight required 3-credit courses and two elective courses.

The online courses are highly interactive and collaborative, allowing you to build strong ties with other students in the program and to gain perspectives from other disciplines and industries.

Required Courses (24 credits)

- BA 809:** Strategic Business Architecture (3 credits)
- EA 871:** Enterprise Architecture Foundations I (3 credits)
- EA 873:** Enterprise Modeling (3 credits)
- EA 874:** Enterprise Information Technology Architecture (3 credits)
- EA 876:** Architecting Enterprise Security and Risk Analysis (3 credits)
- MBADM 816:** Managing and Leading People in Organizations (3 credits)
- MBADM 820:** Financial Management (3 credits)
- MBADM 571:** Global Strategic Management (3 credits)

Elective Courses (select 6 credits)

In addition to the core courses, 6 credits of electives are required, concentrated in four areas, available for you to round out your degree based on your professional and personal interests:

- › business architecture
- › project management
- › security architecture
- › supply chain

Capstone Experience (3 credits)

- EA 878:** Enterprise Architecture Leadership

Frequently Asked Questions

Why is Penn State the best choice for me?

Flexibility and convenience

Penn State knows that adults need flexible and convenient learning options to continue meeting their professional and personal commitments. As job responsibilities grow increasingly complex and family schedules become more hectic, online education enables you to study at times and locations that are convenient for you.

Reputation

Penn State is universally regarded as one of the finest educational institutions in the United States. Putting a Penn State degree or certificate on your résumé is a great way to prove to current and potential employers that you are a well-educated professional, and to broaden your career options.

Accreditation

Penn State is accredited by the Middle States Commission on Higher Education and has an outstanding reputation as a research and teaching university. Our courses are also accepted by most other colleges and universities in fulfillment of their requirements.

Is this the real Penn State?

Absolutely. Penn State values online education as highly as it does resident

instruction. The credits you receive are exactly the same as those awarded to on-campus students. Once you complete the requirements for your degree, you will be awarded a diploma that is identical to the one received by any Penn State student. There is no mention on your diploma that you earned your degree online.

How will I interact with my instructor and other students?

You will be part of a group of students in each course in this program, and we use a variety of means to bring students and instructors together, including asynchronous electronic threaded discussions on the course website and email.

What types of student support are available?

As a distance education pioneer, Penn State has developed a nationally recognized support system for students who are geographically removed from campus. With our amazing team of academic advisers, technical support experts, customer service representatives, and Penn State instructors, we'll help you get where you want to go — successfully — through distance education.

Begin Your Application Today

Admissions decisions for the Master of Enterprise Architecture in Enterprise Architecture and Business Transformation and the graduate certificates in enterprise architecture are based on the quality of the applicant's credentials relative to those of other applicants. The decisions are based on a review of the complete application portfolio.

When applying to the master's degree or certificate programs, you must include the following:

Degree

- › Online application form and fee
- › GPA
- › Résumé
- › Responses to program questions
- › Two letters of reference
- › Official transcripts
- › TOEFL or IELTS score, if applicable
- › Statement of written expression
- › Statement of interest

Certificates

- › Online application form and fee
- › GPA
- › Résumé
- › Responses to program questions
- › One letter of reference
- › Official transcripts
- › TOEFL or IELTS score, if applicable
- › Statement of written expression
- › Statement of interest

For the most up-to-date information about these application materials and to apply, visit: worldcampus.psu.edu/admissions/how-to-apply

Did You Know?

- › Penn State credits and degrees earned online are identical to those earned on campus.
- › Penn State World Campus has enrolled students from all 50 states and all 7 continents.
- › Penn State has aligned its online programs, student support services, policies, and procedures to support military personnel, veterans, and military family members.



- › Our online courses involve frequent interactions between students and with instructors.

Contact Us

Admissions Questions

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worldcampus.psu.edu/admissions



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