

# ARCHITECTURAL ENGINEERING, B.A.E.

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**Begin Campus:** Any Penn State Campus

**End Campus:** University Park

## Career Paths

The Penn State Architectural Engineering program focuses on developing next-generation leaders with in-depth expertise in their technical discipline, overall breadth of the building industry, and passion about integrated design. Graduates of this program serve in a variety of roles in conceptualizing, designing, constructing, and managing built environments for both the public and private sectors. They accept job offers from companies such as: architectural engineering firms, consulting engineering companies, contractors, specialty contractors, forensic engineering consultants, building technology consultants, real estate developers, building equipment designers and manufacturers, building materials and products designers and producers, facilities engineering and management groups, and building owners.

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES OF THE ARCHITECTURAL ENGINEERING PROGRAM (<http://www.ae.psu.edu/industry/career-fair/>)

## Opportunities for Graduate Studies

Students with a bachelor's degree and/or master's degree in Architectural Engineering are well prepared for graduate studies to further develop their depth of knowledge in traditional architectural engineering disciplines, such as structural, mechanical, construction, lighting, acoustical and electrical engineering. Alternatively, students may wish to broaden their expertise by pursuing graduate education in facility engineering, architecture, real estate and development, management, or law.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (<http://www.ae.psu.edu/academics/graduate/>)

## Professional Resources

- Mechanical Contractors Association of America (MCAA)
- National Association of Home Builders (NAHB) (<https://www.nahb.org/>)
- National Electrical Contractors Association (NECA) (<https://www.necanet.org/>)
- National Institute of Building Sciences (NIBS) (<https://www.nibs.org/>)
- National Society of Professional Engineers (NSPE) (<https://www.nspe.org/>)
- Portland Cement Association (PCA) (<https://www.cement.org/>)
- Precast Concrete Institute (PCI) (<https://www.pci.org/>)
- Society of Experimental Mechanics (SEM) (<https://sem.org/>)
- Structural Engineers Association of Pennsylvania (SEAoP) (<http://www.seaopa.org/>)
- The Association for Decentralized Energy (ADE) (<https://www.theade.co.uk/>)
- The Masonry Society (TMS) and the Masonry Society Joint Committee (MSJC) (<https://masonrysociety.org/>)
- United States Green Building Council (USGBC) (<https://new.usgbc.org/>)
- Whole Building Design Guide (WBDG) (<http://www.wbdg.org/>)
- Acoustical Society of America (ASA) (<https://acousticalsociety.org/>)
- American Concrete Institute (ACI) (<https://www.concrete.org/>)
- American Institute of Steel Construction (AISC) (<https://www.aisc.org/>)
- American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) (<http://ashrae.org/>)
- Architectural Engineering Institute (AEI) (<http://www.asce.org/>)
- Earthquake Engineering Research Institute (EERI) (<https://www.eeri.org/>)
- Illuminating Engineering Society (IES) (<https://www.ies.org/>)
- Institute of Noise Control Engineers (INCE) (<https://www.inceusa.org/>)
- International Association of Lighting Designers (IALD) (<https://www.iald.org/>)
- International Commission on Illumination (CIE) (<http://www.cie.co.at/>)
- International District Energy Association (IDEA) (<https://www.districtenergy.org/home/>)
- International WELL Building Institute (WELL) (<https://www.wellcertified.com/>)