

Building Science and Sustainable Design

Bachelor of Science degree



www.pct.edu/schools/CDT



Be green ... and be a high performer in great demand!

Modern buildings must be functional, esthetically pleasing, and energy-efficient.

The Building Science and Sustainable Design program at Pennsylvania College of Technology addresses industry needs and promotes a better way of building and a healthier environment.

Sustainable design

Reduces the use of non-renewable resources

Minimizes waste

Employs non-toxic materials

Limits the negative impact of building on the environment

degrees that work.

**Pennsylvania
College of
Technology**

PENNSYLVANIA STATE



Building Science and Sustainable Design (BSC, BSD, BST)

With a focus on technology and a strong offering in the following construction-related programs, Penn College is the ideal provider of this unique B.S. degree:

Architecture Technology

Building Construction Technology

Heating, Ventilation, and Air Conditioning (HVAC) Technology

Electrical Technology

Construction Management

Students may choose to complete the major with an emphasis in:

Building Construction Technology (BSC)

Architectural Technology (BSD)

Transfer (BST)

Designed specifically for HVAC, Electrical Technology, Business Management or Information Technology associate-degree students

GREEN-COLLAR JOB OPPORTUNITIES!

In a recent Penn College survey of Pennsylvania employers in the fields of architecture, engineering, and construction, 77% said they foresee a "future need" to hire a person with a concentration in sustainability and 93% said they would prefer to hire an individual with a four-year degree.

Students learn:

- Sustainable approaches to materials, construction, site design, building design, and energy generation
- Building science fundamentals related to the measurement and verification of building performance
- Historic preservation and the renovation/re-use of existing buildings
- Design and construction that makes a positive contribution to communities

Graduates may be prepared to advance into positions including:

Leadership in Energy and Environmental Design (LEED)* specialist

Sustainable housing specialist

Solar project manager

Green building analyst/consultant

Building science/sustainability researcher

Sustainable designer

Architectural project team member

Sustainability contractor

Sustainable HVAC technology leader

Building commissioning specialist

*LEED provides standard benchmarks by which sustainable buildings can be measured.



Pennsylvania College of Technology

An affiliate of The Pennsylvania State University and Pennsylvania's premier technical college, Penn College's main campus is located in Williamsport, PA, a city known around the world as the home of Little League Baseball.

Penn College is a special mission affiliate of Penn State, committed to applied technology education. Bachelor's and associate's degrees in more than 100 fields are focused on applied technologies ranging from manufacturing, design, transportation, construction and natural resources to hospitality, health, business and communication. Business/industry connections, national corporate sponsors, small classes, industry-standard equipment and faculty with work experience contribute to strong graduate placement rates.

Pennsylvania College of Technology is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, 215-662-5606. The Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Commission on Recognition and Postsecondary Accreditation.

For more information, contact:

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An affiliate of The Pennsylvania State University

Penn College operates on a nondiscriminatory basis.