



**Academy of
Architectural Design
& Building Technologies**

In the Architectural Design Program, located at Dunedin High School, students learn to use the industrial drafting tools and instruments of the architect. In architectural design, students are given instruction in using the computer, including computer assisted drawing (CAD). The Electrical Technologies Program offers students the opportunity to be trained in the installation, operation, maintenance and repair of state-of-the-art residential electrical systems. The Building Construction Technology Program gives students hands-on experiences with masonry, plumbing, carpentry and some electrical operations. In addition, the program introduces students to the technical aspects of construction such as estimating, plan reading, purchasing, and construction management.



DUNEDIN HIGH SCHOOL

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Kyle R. Johnson, Principal

Academy Instructors

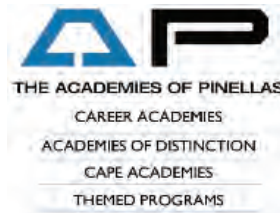
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Vision: 100% Student Success

Mission: "Educate and prepare each student for college, career and life."

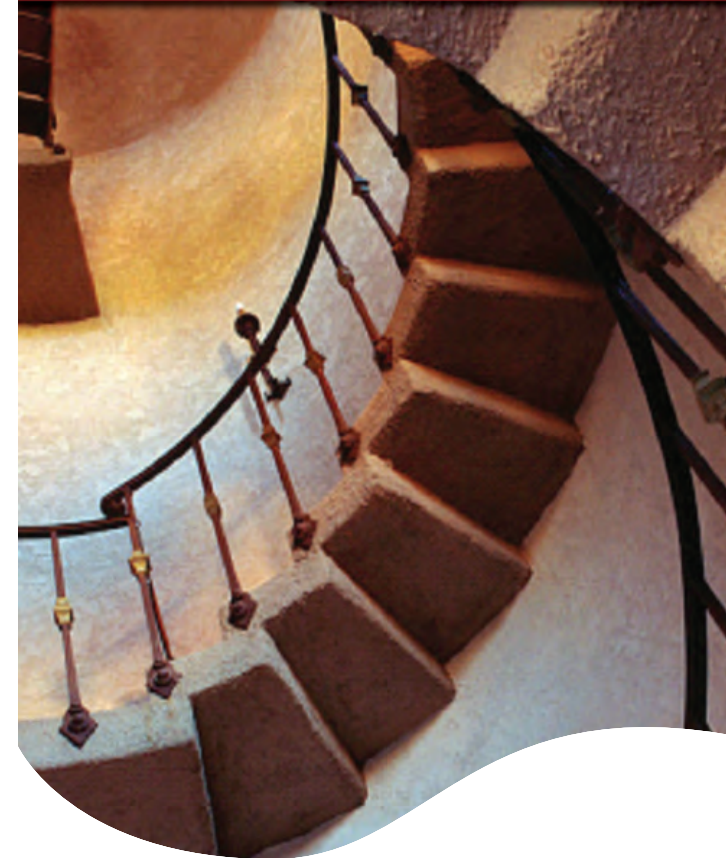
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www.pcsb.org

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Design and Building
Technologies**

DUNEDIN HIGH SCHOOL



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programs of study



ARCHITECTURAL DESIGN

MICHAEL AWE

Autodesk Certified AutoCad Operator
ADDA Certified Architectural Drafter

In this program, architects of the future will get a head start on the skills needed for their chosen careers. Students will learn to use industrial drafting tools and instruments often used by architects. Computer Assisted Drawing (CAD) will be used by students to learn how to make construction drawings. Drawings completed in this program include:

- Orthographic (3-view drawings)
- Pictorial (3-dimensional drawings)
- Preliminary floor plans
- Dimensioned floor plans
- Front, rear, side elevations
- Landscaping plans
- Detail plans
- Light commercial remodel renderings using AutoVIZ

BUILDING CONSTRUCTION TECHNOLOGY

FERNANDO GUILLEN

NCCER Certified Instructor
OSHA Authorized Trainer

Construction Technology is an activities based program that prepares an individual for employment or post-secondary education in the occupations of Carpentry, Electrical Wiring, Masonry, or Plumbing. Construction Technology courses teach fundamentals of safety, tools, math, carpentry, electrical, masonry, and plumbing skills.

The curriculum has been aligned to standards set by the National Center for Construction Education and Research (NCCER). Students who study this curriculum will be learning under the supervision of an instructor who has been certified by the NCCER. Successful students can earn NCCER and CAPE industry certifications including:

- Carpentry
- Ceramic Tile
- Dry Wall
- HVAC
- Roofing
- Construction Management
- Purchasing
- Estimating
- Plumbing



ELECTRICITY

FERNANDO GUILLEN

NCCER Certified Instructor
OSHA Authorized Trainer

This program allows students to explore a multitude of careers in the field of electricity and communications. Using and applying the concepts and theories of physics, mathematics and technology learned in the classroom, students get to do “hands-on” work. The class boasts a computer lab and students have a full array of tools and equipment for their use. Students have the opportunity to earn NCCER certifications. Full-time and summer job placement may be available to qualified students through the Pinellas Technical Careers Preapprenticeship Program.