



The Academy of Architecture and Environmental Design provides students with fundamental instruction in the development and design of total building spaces and environments including structural designs, architectural features, exterior spaces, and landscaping. Enrollment in this Academy offers an introduction to a myriad of careers relevant to architecture and the use of space. Areas of study include the history and art of design, manual drafting skills, Computer-Aided Drafting (CAD), and three-dimensional drafting.

By the end of 9th grade, students will have mastered a basic set of skills as a mechanical drafter.

In the second year of study, students will work in design teams and individually develop a complete residential plan portfolio.

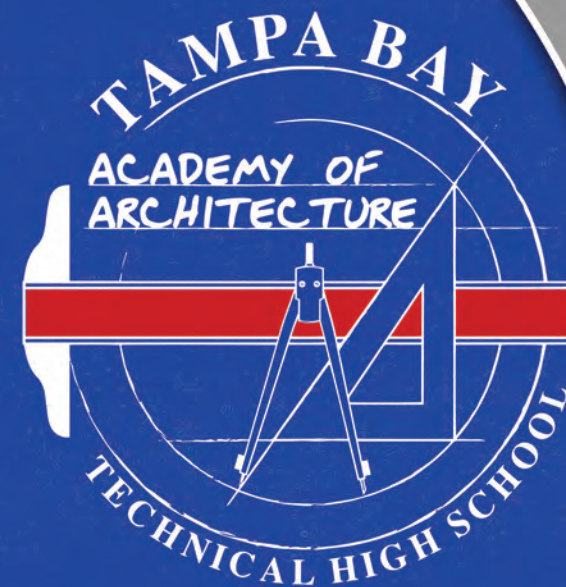
The goal of level 3-6 courses is to enable students to acquire advanced manual and AutoCAD skills, perform a detailed investigation of residential interior spaces, features, and fixtures, and gain architectural modeling techniques. These courses will also introduce students to landscape design and commercial design principles, including site environmental principles. Students will have exposure to disability/special needs design, as well as specification writing. The students' program experience culminates with a Capstone project and presentation whereby they will demonstrate proficiency in the area of residential design.

Students who complete the program successfully will be able to sit for Auto CADD (Computer-Aided Drafting & Design) certification.

Students enrolled in the Academy of Architecture and Environmental Design at Tampa Bay Technical High School will also have access to Advanced Placement and Dual Enrollment courses. In addition, TBT offers a comprehensive selection of extracurricular activities including sports, band, orchestra, and career and interest clubs.



**School Board**  
 Melissa Snively, Chair  
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**ARE YOU READY  
 TO DESIGN  
 YOUR FUTURE?**

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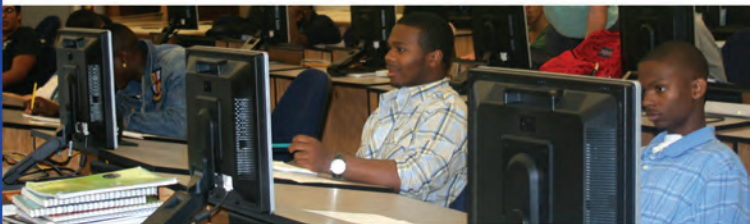
TAMPA BAY TECHNICAL HIGH SCHOOL  
 6410 Orient Road • Tampa, FL 33610

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# ACADEMY OF ARCHITECTURE



## (CADD) COMPUTER AIDED DRAFTING & DESIGN

### WHAT WILL I LEARN?

Students will learn all aspects of the Architectural and Drafting Industry including:

- Computer Assisted Drafting
- Architecture
- Mechanical Drafting
- Electrical and Mechanical
- Applications and Design
- Landscape Design
- Architectural History

## CAREER OPPORTUNITIES

- Interior Designer
- Architect
- CAD Operator
- Engineer
- Cost Estimator
- Landscape Architect



## IT'S YOUR CHOICE

Choosing any of the occupations in the Architecture Program can provide job security and an above average wage. If one of your interests is a college degree, those high-skill wages will help with tuition.

### Advanced Technical Training

- Receive credit toward programs at:
- Erwin Technical Center
- Hillsborough Community College
- Four-Year Universities

### SkillsUSA

SkillsUSA is a national organization for students enrolled in career and technical education.

