

# North Cobb Drafting Program



Taught by Michael Barcarse, Ed.S

Location: Room 804, email: [michael.barcarse@cobbk12.org](mailto:michael.barcarse@cobbk12.org)

Pathway and courses offered:

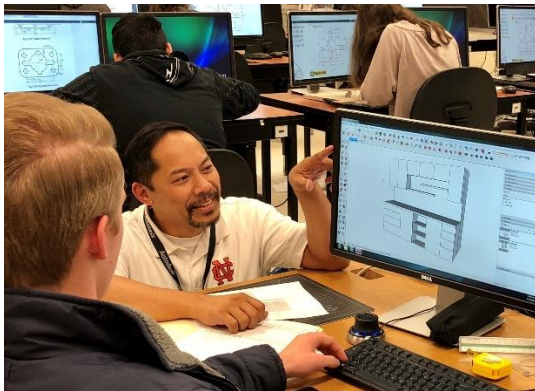
## Architectural Drawing and Design Pathway (GADOE and CEFGA Industry Certified Training Program)

- Introduction to Drafting and Design
- Architectural Drawing and Design 1 (*prerequisite: Introduction to Drafting and Design*)
- Architectural Drawing and Design 2 (*prerequisite: Architectural Drawing and Design 1*)

## Engineering Drafting and Design Pathway

- Introduction to Drafting and Design
- Survey or Engineering Graphics (*prerequisite: Introduction to Drafting and Design*)
- 3D Modeling and Analysis (*prerequisite: Survey of Engineering Graphics*)

Traditional board drawing and computer-aided drawing taught. There are 31 workstations with Autodesk software, SolidWorks, and SketchUp. Students have an opportunity to train for plot printing, 3D printing/additive manufacturing, and CNC milling/subtractive manufacturing for presentations. Students also have the opportunity to participate in competitive events and scholarship incentive contests through SkillsUSA, AIA Atlanta Student High School Design Competitions, Georgia Technology Fair, Design it Digitally, and other STEM/STEAM showcase initiatives.



The goal for completing pathway courses includes opportunities for employment and post-secondary options, such as:

- Kennesaw State University - Architecture and Construction Management or Engineering and Engineering Technology majors
- University of Georgia – Fashion Merchandising (Furnishings and Interiors), Landscape Architecture
- Georgia Tech – Civil and Environmental Engineering, Mechanical Engineering
- Various in-state, Kennesaw, Marietta, or Acworth employers seeking CAD operators
- Work-Based Learning partnerships with local industry seeking interns