



Drafting & Design Program Guide

CIP Code # 15.1301

Standard Occupational Classifications	2015 Pennsylvania High Priority Occupations
17-3011.01 Architectural Drafter 17-3013.00 Mechanical Drafter 17-3012.01 Electronic Drafter 17-2141.00 Mechanical Engineer 17-1011.00 Architect	17-2051 Civil Engineer ³ 17-2112 Industrial Engineer ³ 17-2141 Mechanical Engineers ³
Industry Accreditation	Student Certifications
American Drafting & Design Association (ADDA)	ECTS Program Completer or Participant Certificate Pennsylvania Skills Certificate CareerSafe OSHA 10 Hour General Industry Certificate

Key: Statewide HPO¹ Regional HPO² Both Statewide & Regional HPO³
For more information, go to: <http://online.onetcenter.org/find/family?f=17&g=Go>

Expected Characteristics and Traits for Success

Students considering the field of Drafting & Design will learn theory and the manipulative skills necessary to produce complete and accurate drawings based on the ideas and sketches of engineers, architects, and designers. They will learn Conventional Drafting techniques as well as Computer-Aided Drafting practices.

Characteristics of a Drafting and Design student:

- Hold attendance as a high priority (95% or above is industry standard)
- Must be able to work as part of a team
- Must pay attention to detail and strive for accuracy.
- Should be able to visualize described objects
- Is able to remain stationary for extended periods of time
- Is able to follow written as well as verbal instructions
- Should have a 9th grade reading level
- Must be able to communicate well verbally and in written form
- Must be able to work independently
- Should have passed Algebra I and be enrolled in Geometry.
- Should be able to work quietly

All tools and supplies needed by students for this course are supplied by ECTS.