



Photo courtesy of Kristen Mohr Architectural Design & Drafting graduate, 2018

# Architectural Design & Drafting

Sylvania Campus Office: HT 207

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## Overview

Architectural Designer/Drafters design and remodel homes and small commercial buildings. They use CAD software to draft and illustrate their own designs, or those of architects or engineers; including those used for building permits and construction. Although drafters spend much of their time working on computers in an office environment, some visit job sites to collaborate with others, or to take measurements and collect data from the site to make preliminary drawings of existing conditions.

PCC is the only two-year Associates of Applied Science degree in Architectural Design and Drafting in Oregon. Students have the option to choose either the base degree with a commercial focus, or the residential degree with a residential and sustainability focus.

Graduates of our program are employed at Arciform, Power Engineering, THA Architects Engineers, Ankrom Moisan, D.R. Horton, i-TEN Associates, Grummel Engineering, GBD Architects, DC Builders, BAMA Architecture and Design, Diversified, and others. Some are self-employed.

We are a strong technical design program. The work is very project oriented and deadline driven, with much emphasis on detailed drawings and an ability to research and solve problems. Students will need to have strong basic computer skills and an interest in construction technology. The software PCC currently uses is the most current version of AutoCAD and REVIT. Students also have access to CAD tutoring, open lab times and a student version of relevant software.

## Pathways at PCC:

**The Associates of Applied Science in Architectural Design and Drafting Base Option** consists of core coursework in architectural design and drafting, along with coursework in commercial design.

**The Associates of Applied Science in Architectural Design and Drafting Residential Option** consists of core coursework in architectural design and drafting, along with coursework in residential design and sustainability.

## Our Program

Students can attend full or part-time and classes are offered in both the daytime and evening. There is no application process and no prerequisites to register for introductory first term classes. Students can begin the program any term during the year. First year classes focus on foundational coursework in construction and design/drafting concepts, second year focuses on design and application. All core classes are offered at the Sylvania Campus.

***Please see First Term Course Planner/Getting Started in the Architectural Design and Drafting program for information on how to begin the program and what to take during your first term. It is also a good idea to attend an Architectural Design and Drafting information session. There are several sessions held each term.***

Students must meet PCC General Education Requirements for Associate of Applied Science degree and maintain a C grade or higher in all ARCH coursework.

***The Architectural Design and Drafting program is not a transfer program.*** If you are considering transferring to a four-year college or university for architecture, please plan to work with a general pathway advisor for information about a general transfer degree. We also recommend working with a program advisor within the architecture program at the school where you wish to attend.

## General Education Requirements

All candidates for the Associate of Applied Science in Architectural Design and Drafting must complete 4 classes from three general education discipline areas and complete a math and writing competency requirement.

The 4 classes must include at least one course (and no more than eight credits) from each of the following three categories:

1. Arts and Humanities- we recommend Art 101-Understanding Architecture
2. Social Science
3. Mathematics (> 100 level), OR Natural and Physical Science OR Computer Studies
4. An additional general education class to satisfy the 4-class requirement.

***\*\* Students will also be required to complete competency requirements in Writing and Math including:***

Pass WR 121 or a lower division writing course with a prerequisite of WR 121 with a grade of C or higher Pass either Math 65 or Math 58 with a grade of C or higher

*General Education and Writing competency requirements may be waived for students with a previous A.A., A.A.S., B.S., B.A. or B.F.A. degree from an accredited United States institution.*