In our online certificate program in Interior and Architectural Design Software, you’ll gain the skills needed to design, render, and showcase your interior, architectural, or product design. This four-course certificate will take you through the ins and outs of AutoCAD, SketchUp, and Rhino, helping you advance your career to the next level.

Continuing and Professional Education at The New School delivers courses and programs that give professionals and non-degree-seeking students the edge that can come only from our accredited university and the dynamic network of renowned faculty and industry-leading professionals at the #1 art and design school in the United States—Parsons School of Design.

Learn the skills you need to advance your career in a changing world.

Certificate Details

- **Number of courses:** 4
- **Course length:** 9 weeks
- **Timeline to completion:** Most students take two courses per semester. Students have up to two years to finish, but many finish in three semesters or one year.
- **Format:** Online
- **Price:** Visit [cpe.newschool.edu](http://cpe.newschool.edu)

1Quacquarelli Symonds World University Rankings (2020).
COURSE OUTLINE

The courses making up this certificate are listed in the order in which they should be taken.

AutoCAD 1
The course covers the fundamentals of AutoCAD. Through brief lectures, demonstrations, and hands-on experience, students learn the basic commands for drawing, editing, documentation, and presentation.

Week 1
Drawing a Line

Week 2
Drawing the Perimeter of the Apartment

Week 3
Adding Thickness to a Wall and Creating Openings

Week 4
Printing the Floor Plan

Week 5
Adding Hatches, Dimensions, and Notes to the Drawing

Week 6
Adding Title Blocks to the Sheet and Furniture to the Drawing

Week 7
Interior Elevations

Week 8
Modeling the Walls and Openings of the Apartment

Week 9
Final Project

SketchUp
In this course, students learn how to digitally model interior spaces using SketchUp and its SU Podium extension. They become familiar with SketchUp software, its history, and its application in design industries and acquire the technical skills needed to create realistic three-dimensional models.

Week 1
Introduction to SketchUp

Week 2
3D Modeling

Week 3
Using 3D Warehouse

Week 4
Generating Floor Plans

Week 5
Using Layout

Week 6
Generating Elevations and Perspectives

Week 7
Rendering

Week 8
Animating and Model Interactions

Week 9
Producing Presentations and Final Assignment

Interior and Architectural Design Software Certificate
Course Outline
Rhino 1
Learn 3D modeling techniques using Rhino 3D—a powerful, versatile modeling software program. In this course, students develop a sense of freedom and independence using Rhino 3D that provides a basis for further mastery of this important industry software.

Digital Layout: Adobe InDesign
InDesign is the industry-standard program for professional page layout. In this course, we explore the potential of InDesign as a design tool. The focus of the class is on using the features of InDesign to develop design skills, with an emphasis on typography.

- **Week 1**
  - Rhino Basics

- **Week 2**
  - Distance and Angle Constraint

- **Week 3**
  - Modeling a Light Fixture

- **Week 4**
  - Penguin Exercise

- **Week 5**
  - Modeling an Interior Space

- **Week 6**
  - Drafting a Final Project

- **Week 7**
  - Creating a Rendering of the Final Project

- **Week 8**
  - Final Project Process

- **Week 9**
  - Submission of Final Project

- **Week 1**
  - Syllabus Review—Getting Started

- **Week 2**
  - File Formats and Images

- **Week 3**
  - Type and Content

- **Week 4**
  - Grid and Layout

- **Week 5**
  - Styles and Master Pages

- **Week 6**
  - Colors and Preflight

- **Week 7**
  - Advanced and Geek Levels

- **Week 8**
  - Charts and Tables

- **Week 9**
  - Portfolio Review
**Who Should Enroll**

- Creative professionals seeking to develop skills that can be applied to space planning or decorative arts
- Interior designers and architects who want to expand their industry software expertise and portfolio

**What You’ll Gain**

- The skills needed to convey well-articulated, cohesive design ideas and package them in portfolio-ready form
- The ability to model objects and spaces using SketchUp
- Editing techniques in AutoCAD
- Ways to navigate the Rhino interface and its settings

**How You’ll Learn**

- Engaging video lectures and interviews with industry experts
- Direct interaction with faculty practitioners at the top of their fields
- Online collaboration and video conferencing
- Project-based learning focused on developing real-world skills and portfolio assets

Get started today.
Register at cpe.newschool.edu.

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