Our Interior Lighting Design Certificate equips you with an understanding of basic concepts of the science of light and vision. This online program is focused on creating a foundation for designing successful lighting by helping you understand light and human vision, lighting technologies and performance, lighting design as a discipline, and the impact of light on an environment.

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**: 3
- **Course length**: 5 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

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1 Quacquarelli Symonds World University Rankings (2020).
# Course Outline

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

## Lighting Fundamentals and Technologies
An introduction to the world of lighting design, this course covers the fundamentals of lighting. You develop a basic understanding of light, human vision, lighting measurement, and color and acquire a working vocabulary of lighting terms and a knowledge base of lighting technologies and their characteristics.

**Week 1**
- Introduction

**Week 2**
- Communicating About Light

**Week 3**
- The Wonderful World of Color in Lighting

**Week 4**
- Lamps Versus Bulbs: Understanding Light Source Technologies

**Week 5**
- What's a Luminaire?

## Lighting Criteria and Considerations
How much light do we need to see and perform a task? How can we deliver that light effectively? These are some of the design considerations addressed in this course. You learn about energy and sustainability codes as they relate to lighting and how to begin developing a concept for the design of a lighting system.

**Week 1**
- Introduction

**Week 2**
- Lighting for Visual Performance and Illuminance

**Week 3**
- Lighting for Visual Comfort

**Week 4**
- Lighting for Energy Efficiency

**Week 5**
- Lighting for Sustainability

## Designing a Lighting System
In this course, you acquire the tools and techniques you need to meet design criteria and successfully implement the design concept in a layout.

**Week 1**
- Introduction

**Week 2**
- Lighting Analysis Techniques: General Lighting System Layouts

**Week 3**
- Lighting Analysis Techniques: Light Delivered at a Specific Location

**Week 4**
- Computer-Aided Lighting Analysis Techniques

**Week 5**
- Assessment of Installed Lighting Systems
**Who Should Enroll**
» Architects, interior designers, engineers, contractors, decorators, electrical distributors, and sales agents

**What You’ll Gain**
» An understanding of basic concepts of the science of light and vision
» Foundational knowledge of lighting technologies (lamps, luminaires)
» The ability to carry out fundamental analyses of lighting systems and create lighting layouts
» The ability to conduct basic assessment of installed lighting systems
» A sense for the balance between design and technology in lighting design

**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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