LIGHTING DESIGN - CERTIFICATE

Our sense of sight is responsible for much of our perception of the world around us. Through the proper application of light, we can shape a viewer's understanding of architecture and influence the outcome of our architectural designs.

The undergraduate certificate in Lighting Design (http://www.colorado.edu/lightingprogram/lighting-design-certificate/) is offered to non-engineering students in particular those majoring in environmental design and theater, to expose them to the basics of architectural lighting and daylighting design. Topics include:

- Metrics of light
- Proper use of light sources, luminaires and controls
- Lighting effects on perception of architecture and how it fits into the architectural design process
- Daylight as a source and how it interacts with architecture
- Integration of daylight in interior spaces interacts with electric lighting

The certificate prepares students for entry-level jobs in lighting design firms. A combination of lighting design with architecture, landscape architecture, or design studies could also open doors in architecture and interior design firms.

Requirements

Admission Requirements

A cumulative GPA of 2.500 or higher is required to enroll. This certificate is not open to students rostered in the College of Engineering & Applied Science. First-year students are not eligible to take certificate courses - students may sign up for the certificate in the spring of their freshman year, and start taking classes in their sophomore year.

To enroll, students should complete the Lighting Certificate Declaration Form (http://bit.ly/LightingCertificate/).

Program Requirements

Grade Requirements
A cumulative GPA of 2.500 for all certificate courses is required, with no individual grade lower than C. A course not passed with the minimum grade may be repeated one time.

Course Requirements
The certificate is achieved through completion of four lighting courses: two required courses, one technical elective, and a capstone course. Courses listed below represent current offerings and are subject to change.

Code	Title	Credit Hours
Required Courses		
AREN 3430	Architectural (Interior) Lighting Design	3
AREN 4830	Special Topics for Seniors/Grads (Landscape Lighting)	3
or AREN 3440	Architectural Daylighting Design	
Technical Elective		
Choose one:		3
AREN 4530	Advanced Lighting Design	
AREN 4620	Adaptive Lighting Systems	
THTR 3055	Stage Lighting Design 1	
Capstone		
AREN 4440	Lighting Design Capstone	3
Total Credit Hours		**12**