

RENSSELAER | ARCHITECTURE

M.S. AND PH.D. IN ARCHITECTURAL SCIENCES - LIGHTING



PROGRAM DESCRIPTION: The Graduate Program in Lighting offers the premier Masters and Ph.D. degrees in lighting to those seeking a multi-disciplinary graduate education at the Rensselaer Lighting Research Center (LRC), the world's leading center for lighting research and education. Two degree options provide flexibility for those wishing to pursue graduate-level study in the field of lighting. Applicants considering the Ph.D. degree are encouraged to begin by enrolling first in the M.S. in Lighting with the option of continuing on to the Ph.D. This allows students to become better acquainted with the work of the LRC and select an area of research concentration for their advanced studies.

The Masters of Science in Lighting is a two-semester, multidisciplinary, 30-credit program that immerses students in lighting research, technology, human factors, application, and design. Upon graduation, students have the option to participate in a 3-month PAID career externship with one of many leading lighting organizations that have agreed to host LRC students. Students explore emerging trends in lighting design and applications including customization and data analytics in areas such as the Internet of Things (IoT) and networked/connected lighting, 3D printing of lighting components, lighting for circadian health and wellbeing, lighting for plant health, aviation and automotive lighting, and other topics in lighting technologies. The degree allows for a comprehensive, "hands-on" study of lighting which culminates in a master's project in the second semester during which each student studies a particular area of lighting in-depth, directly with a faculty adviser.

The Ph.D. in Architectural Sciences with a Concentration in Lighting is the highest degree available in the field of lighting. This degree allows students from a wide range of backgrounds to undertake concentrated research in a select area of lighting study.

The MS and PhD programs are designated as STEM programs in Architectural and Building Sciences/Technology (CIP code 04.0902) making international graduates eligible to extend their F-1 visas for up to three years in order to work in the United States.

ELIGIBILITY: The LRC graduate programs attract students with accredited bachelor's and/or master's degrees in lighting, architecture, engineering, physics, life sciences, industrial design and other related fields.

Deadline to apply is January 1. First consideration will be given to applications received by this date.
Rolling Application Deadline is March 15.

CONTACT INFORMATION

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