



Programme: Lighting design, 180 credits

Programme Manager: Johanna.Glans@ju.se

Light affects our wellbeing, our mood and our health. Good light planning can therefore improve our lives. Good lighting contributes towards security, health and sustainability. During the programme, students will learn to create lighting installations that are technically effective, are adopted to meet users' needs, are visually comfortable and aesthetically enhance rooms. There is a great demand for efficient energy use and optimised lighting installations. A well placed lighting installation means the right light in the right place when the user needs it.

Before the industrial placement course during semester 4, the students will have taken the following courses:

Designing with lights

- Visual concepts for light as perceived by humans
- Visualisation: manual and digital technologies
- Expressive design with light
- The design process
- Presentation techniques

Perception and communication

- Basic form studies, with an orientation in expressive design theory
- Communication with images
- Architectural history
- Lighting history

The basics of lighting technology

- Light source and light fitting knowledge
- The description, analysis and evaluation of light sources, light fittings and installation, both visually and technically
- The significance of light fittings for a sustainable society

Applied mathematics and physics

- Algebra
- Mathematical functions
- Power and energy
- Electromagnetic waves and light

Leadership and project management

- Group dynamics
- Leadership
- Project management

Lighting project

- Running a project in the form of group work
- Leadership
- Project management