



# MECHANICAL DESIGN

## THE INTERNATIONAL SEMESTER

The International Semester in Mechanical Design is a 5-month programme comprising course. All curriculum activities are conducted in English and are dealt with in an international perspective. The latest know-how and state-of-the-art computer models are applied in an always practical approach to the complex mechanical problems.

During the International Semester, the application of design methods is in focus and projects are integrated parts of the education. After the course, the candidates will be able to design structures according to modern methods and for complex problems; they will be able to choose relevant finite element models for the design.

## ADMISSION REQUIREMENTS

The semester is intended for international and Danish students in the final year of their Bachelor studies or at a similar educational level of a Mechanical Engineering programme. Basic courses in Thermodynamics and Mechanics of Materials must be passed. Proficiency in English is required (TOEFL-test, score 550, or equivalent).

## COURSES ON OFFER INCLUDE

### Autumn Semester, mid August

No courses taught in English available in autumn semester.

### Spring Semester, end of January

- Composite Materials (5 ECTS)
- Mechanical Vibrations (5 ECTS)
- Project Management and Economics (5 ECTS)
- Fracture Mechanics Introductory (5 ECTS)
- Steel Structures/Eurocode 3 (5 ECTS)
- Introduction to Fluid Mechanics (5 ECTS)
- Introduction to Robotics (5 ECTS)
- Introduction to Mechatronics (10 ECTS)

## STUDY PERIOD AND APPLICATION

Study period is from end of January to end of June. Application deadline is 1 November. A maximum of 20 international students is accommodated.

## FIND OUT MORE

Visit our website at [www.ase.au.dk](http://www.ase.au.dk) or contact the International Officer Ms. Merete Christensen. E-mail: [mc@au.dk](mailto:mc@au.dk)

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