

SUMMER SCHOOL

12-26 August 2018

INFO
COURSES
HOW TO APPLY

UNIVERSITY OF
SOUTHERN
DENMARK

SDU 





Summer School courses ranging from
Chemical and Design Engineering to
Management and Computer Science

Welcome to robot valley

Odense is famous for its state-of-the-art tech facilities. Our robot valley attracts all kinds of companies. At the centre of this high-tech development is SDU with multiple study programmes and extensive research in engineering and computer science. Our rich student life with cafés, concerts, parks and bike lanes across the city makes it a perfect place to update your technical and science skills – and get to know Danish language and culture.

A campus with state-of-the-art tech



Spend 2 weeks in Denmark's leading robo-tech city: Here you will study in state-of-the-art laboratories and meet our most inventive and skilled professors in a study environment that cooperates closely with relevant inventive companies.



Summer New Friends Culture

CLICK
AND READ
MORE

Summertime in Odense fills the city with young people. BBQ in the park. Go swimming in the brand new harbour swimming pool. New adventures at a local concert. The entire city bubbling with events at in August!



Social life

Your summer school also means weeks of fun, experiencing Scandinavian culture and lifestyle and making new friends.

Festivals

Summer School takes place alongside the annual H.C. Andersen Festival which transforms Odense into a living fairytale with theatre performances, street art, concerts, lightshows, art exhibitions, storytelling, street performances and more.

Meeting fellow students

Odense has a student house in the city center. It is open for all students every day – even on Sundays. Here you can hang out, meet other international and Danish students, enjoy the café and bar and throw yourself into all the summer activities and events.

Sightseeing

Odense is home of the famous fairytale-writer Hans Christian Andersen which makes Odense a charming fairytale city. Follow his footprints around Odense to be the main character in your own fairytale.

Pssst: Check out the traffic lights in the city center – they have been 'fairytaled'.

So much tech So much choice



Hands on

We believe in a hands-on learning philosophy: The more you try yourself, discuss with your professors and develop your own ideas, the better a future employee you will be.

Informal relationships

One of the most noticeable differences for the international students in Odense is the informal relationship between students and professors. This will increase your learning as all questions are welcome.



Work with the industry

Odense is known as the robotics hub of Denmark with more than 100 companies working in the field. Rapidly growing industries are working very closely together with SDU in education, research and development.





Small groups! Intense learning!

Learning in small groups gives you the opportunity to discuss with your fellow students and ask your professors questions. This makes learning more intense and allows you to experiment with your new knowledge.



International classes

Summer School gives you a unique opportunity to enhance your international profile and improve your network. All courses are taught in English.



Close to everything

The university is close to everything; your accommodation is just around the corner. The city with cafés and shopping and the birthplace of famous Hans Christian Andersen is a nice bus ride away. Beautiful nature is just waiting for you all around.



Where to stay?

CLICK

We have a nice, furnished room for you in Dalum Agricultural College. The college is located in the same part of the city as SDU Campus Odense.

The rent is friendly, and breakfast is included. A perfect way to get close to Danish culture and your fellow Summer School students.

5 reasons to stay at Dalum Agricultural College:

- Free Wi-Fi and a great common room
- Friendly rate – spend money on your social life instead
- Breakfast included – kick-start your day
- Great social life with fellow students
- Close to the city's cafes and shopping districts

Courses: 1/4

Business Engineering

ERP System

Learn more about ERP systems. ERP automates and integrates core business processes such as taking customer orders, scheduling operations, and keeping inventory records and financial data.



CLICK



Chemical Engineering

Chemical Engineering Unit Operations Laboratory

You will do practical laboratory scale experiments combined with spreadsheet treatment of the data obtained within e.g. heat transfer in heat exchangers, filtration on filter presses and reverse osmosis filtration.



CLICK



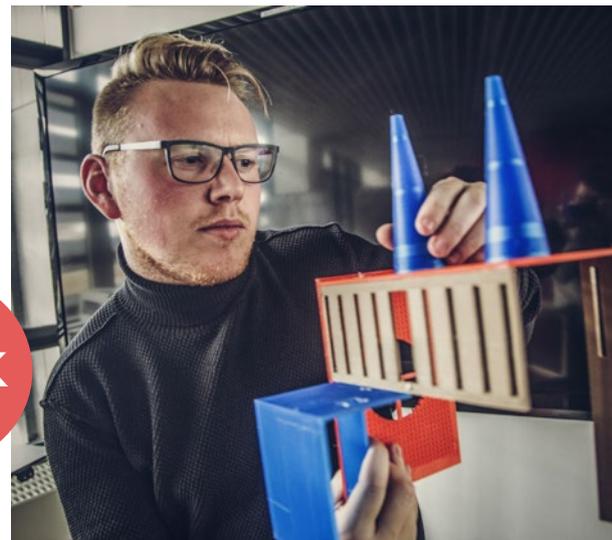
Civil and Architectural Engineering

Facade Design & Engineering

Become an expert in facades: We explore design aspects and communication of options. We develop schematic solutions on the basis of a brief, taking into consideration the architectural vision, performance requirements, and buildability.



CLICK



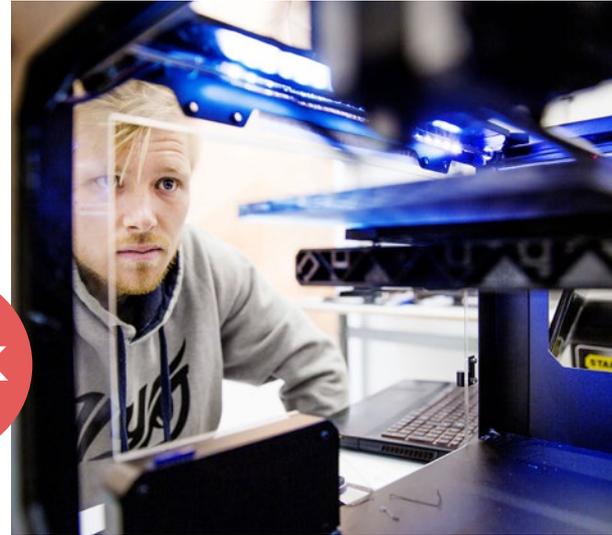
Courses: 2/4

Computer Science 3D Graphics Programming

Learn about the principles and methods from mathematics and computer science underlying 3D graphics programming. Methods used in the rendering pipeline of GPUs, and how to programme it using shaders in OpenGL.



CLICK



Computer Science Deep Learning

Learn about the theoretical background and concepts driving deep learning and discuss the most noteworthy applications and their limitations. Apply and implement deep neural networks to solve various machine learning tasks.



CLICK

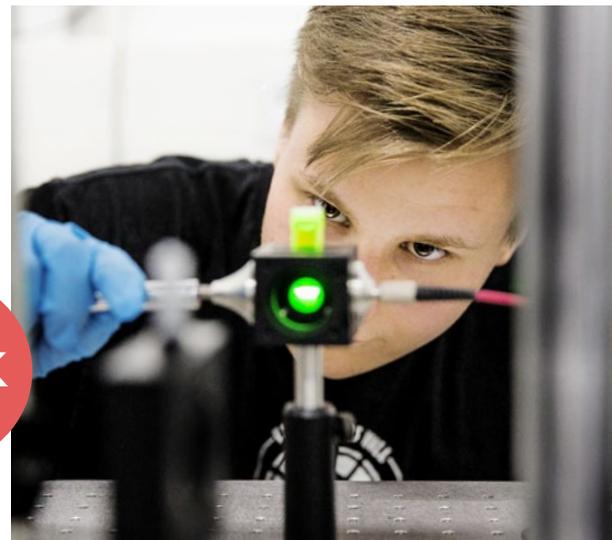


Design Engineering Engineering Imagination

Learn how to rapidly create, design and present products or concepts based on your wildest imagination.



CLICK



Courses: 3/4

Environmental Engineering Engineering for Sustainability

Understand the challenges of sustainable development through an introduction to Environmental System Analysis theory, methods and tools. Get insight into the societal frameworks and concepts related to sustainability such as Industrial Ecology, Industrial Symbiosis, Circular Economy and Bio-Economy.



CLICK



Mechanical Engineering Experimental Fluid Mechanics

Learn methods and techniques for measurement and data analysis in experimental fluid mechanics, e.g. study of aerodynamic in wind tunnels and hydrodynamics in pipes and ducts.



CLICK



Project Management Project Management

You will obtain insight into the project management discipline and its concepts and assumptions, and be able to independently utilize the knowledge obtained to work out a project mandate with matching analyses and plans.



CLICK



Courses: 4/4

Robot Systems Engineering Robots in Context

Test robot-related methods on simplified problems, including development of path planning applications for mobile robots and handling uncertainty in the real using for instance Kalman filters.



CLICK



Software Engineering Continuous Delivery and DevOps

You will learn about the developer mind-set and how to use cutting-edge tools in hands-on exercises on the best practices of the modern era of Continuous Delivery and DevOps together with the industry.



CLICK



Oh, the choices...

11 scientific and technical courses to choose from. If you want to know more about the courses - check our website or e-mail us. We would love to get in contact with you.

CLICK



5 reasons to choose Summer School in Odense



1. State-of-the-art facilities and laboratories



2. Hands-on learning philosophy



3. Work closely with inventive industries



4. Earn 5 ECTS



5. Great social life

Free admission

Have a great summer for free – that sounds almost too good to be true!

[CLICK
AND READ
MORE](#)

Exchange students from a partner university pay no tuition. Ask your International Coordinator if your university is a partner university and to nominate you for SDU Summer School.

Guest students pay tuition fees. Your nationality determines how much you pay. Tuition may also vary according to your choice of courses.

Guest students with a EU/EEA or a Swiss or British citizenship pay DKK 4.250,- / EURO 570,- pr. course.

If you are a guest student with a NON-EU citizenship, please contact us at:

summerschool@sdu.dk

How to get here

Odense is placed in the middle of Denmark on the charming island of Funen.

It is really easy to get here:

By plane:

Two international airports are located just an hour and a half away: One in Copenhagen and one in Billund.

By train:

Travel by train and enjoy the flat Nordic landscape on your way. The train station is located in the middle of the city close to the harbor, shopping, cafes and only 5 km from the university.

By bike:

Yes, Odense is too far away to reach by bike. But when you get here you will realize why Odense is internationally praised for its many bike lanes connecting the city. The locals say you can reach any point in Odense on your bike within 20 minutes.

Want to apply?

Find more info about
Summer School in Odense
and our courses at:
sdu.dk/summerschool

**CLICK
AND APPLY
NOW!**



Facts:

Dates: 12–26 August 2018

Venue: SDU Campus Odense

Level: Advanced bachelor 5 ECTS

No fees for exchange students

Admission & Practical stuff

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