Mathematics is a part of day-to-day life – of using your debit card and navigating by GPS, just as much as making calculations in physics or chemistry or working out the pot odds in an important hand of poker.

**RESEARCH AND SPECIALISATION**
Teaching at the university is greatly influenced by the research conducted here, as the lecturers are active researchers. When students write their MSc thesis during the final year of the programme, they have excellent opportunities to become affiliated with a group of researchers, which allows them to participate in the group’s research projects and scientific discussions. Students specialise in a subject within a broad area, including one of the three areas of mathematics in which Aarhus University is particularly strong: algebra, analysis, and geometry and topology.

**STUDENT LIFE**
As a student in the programme, you are based at the Department of Mathematics, which has its own canteen, computer rooms, library, and study areas shared by students. As a master’s student, you will be given your own desk in an office shared with other master’s students. The department also has a number of student organisations such as Euler’s Friends (Euler’s Vennel) and the Kalkulerbar (Friday bar) organising lectures on current maths topics, study excursions, and social functions.

**CAREERS**
Graduates from the Department of Mathematics find work across a wide range of fields and institutions including finance, communication, and the wind-power industry in the private sector. Typically, previous graduates are working in universities and research institutions, in the pharmaceutical industry, the telecommunications and finance sectors, and in insurance companies.

Graduates who pursue academic careers at universities are often involved in interdisciplinary work with doctors, biologists or chemists, analysing large amounts of data, or teaching statistics to these professional groups. In the pharmaceutical industry, graduates plan clinical trials or design methods for examining whether new drugs have unwanted side effects. In the insurance industry, graduates typically work as actuaries and may contribute to working out tariffs. Common to all these jobs is the requirement for knowledge of a number of complicated mathematical models – something the MSc in Mathematics will equip you with.

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**MSC IN MATHEMATICS**

SPECIALISE IN AN AREA OF YOUR CHOICE

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My Master’s courses often included students from different year groups, so it was easy to connect with both older and younger students. In many of my courses we were only a handful of students, which meant we could work closely with the lecturers and experience their academic passion. The physical space was great too, with room for group work and the opportunity to get an office with your study group. The study environment was also very good, because the department became the natural base for most students – we spent time there mainly out of interest, not because we had to. It was a relaxed atmosphere, with room for everyone.

THOMAS LUNDSTAAD SCHMIDT

MSc in Mathematics
Quantitative Risk Manager, Siemens Gamesa Renewable Energy
MSC IN MATHEMATICS*
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ADMISSION REQUIREMENTS
A bachelor’s degree amounting to at least 60 ECTS credits in mathematics can qualify the student for admission.

SELECTION CRITERIA
As the Master’s programme admits only a limited number of students each year, meeting the admission requirements does not in itself guarantee admission to the programme. Student places are allocated on the basis of an overall assessment. In evaluating qualified applicants, the admissions committee assesses applicants according to the following criteria: academic background; overall grade level of bachelor’s degree; grades achieved on relevant courses; and relevant courses (measured in credit units) included in the bachelor’s degree.

Relevant courses include core courses within abstract algebra, complex analysis, differential equations, elementary differential geometry/topology and measure and integration.

PLACE OF STUDY
Aarhus

WWW
masters.au.dk/mathematics

ANNUAL TUITION FEE
EU/EEA/Swiss citizens: FREE
Others: EUR 13,500

Fees are subject to change. See international.au.dk