MSC IN STATISTICS*
INSIGHT INTO ADVANCED MATHEMATICAL MODELS

The MSc degree in Statistics is a flexible programme that builds general competencies in statistics while allowing students to specialise in the particular branch of statistics of their choice, such as one of the areas in which Aarhus University is particularly strong – theoretical and applied statistics, and probability theory.

STATISTICIANS IN DEMAND
Teaching on the programme is greatly influenced by research, as the lecturers are active researchers. In addition to lectures, instruction includes theoretical and practical exercises.

The Statistics programme at Aarhus University is characterised by a strong focus on theoretical aspects. Incoming students are required to have a strong background in advanced probability theory based on measure and integration theory.

STUDENT LIFE
Students in the programme 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 receive 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 and the Kalkulerbar or Friday bar, through which academic activities, study trips, and social functions are organised.

CAREERS
There is an undersupply of statisticians. Statistics graduates from Aarhus University are very much in demand, and their employment prospects are extremely good, whether in Aarhus, other major Danish cities, or overseas.

Recent statistics graduates have taken up careers in universities and research institutions, in the pharmaceutical industry, in the telecommunications and finance sectors, and in insurance companies. In universities, statistics graduates frequently work with doctors, biologists, or chemists in an interdisciplinary setting analysing large amounts of data, while others teach statistics. Within the pharmaceutical industry, statisticians plan clinical trials or design methods to test new drugs for unwanted side effects. In insurance, statistics graduates often work as actuaries, for instance contributing to working out tariffs.

Common to all these careers is that they require knowledge of a number of advanced mathematical models, and that is what the MSc in Statistics will equip you with.

Graduates can also apply to enter the PhD programme.

I very soon decided that I would like to work in a company and use what I had learned at university. I considered both the pharmaceutical industry and insurance. It was a company visit to Novo Nordisk that helped me make up my mind to choose the pharmaceutical industry. I work in R&D as a statistician and am involved in clinical trials of new drugs.

TRINE SAUGSTRUP
MSc in Statistics
Statistician, Novo Nordisk

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PLACE OF STUDY
Aarhus

WWW
masters.au.dk/statistics

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

AARHUS UNIVERSITY

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

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ADMISSION REQUIREMENTS

A bachelor's degree amounting to at least 60 ECTS credits in statistics can qualify the student for admission. Other qualifications can also provide admission to the Master's programme, provided the university assesses that their level, extent, and content correspond to the degrees mentioned above.

The Statistics programme at the University of Aarhus is characterised by a strong focus on theoretical aspects, and incoming students are required to have a strong background in advanced probability theory based on measure and integration theory.

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 the subject areas of statistics and probability theory.

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