

“AI – where advanced computing theory meets practice”

Artificial Intelligence (AI) is the science and engineering of making intelligent machines. AI systems provide intelligent decision support for complex real-world applications. The eventual intention behind using this science is to determine the best possible decision policy by learning and adaptation, which improves or optimizes the performance of the decision maker.

Master in Applied Artificial Intelligence 60 ECTS – One year

The Master's programme in applied artificial intelligence (AI) at Dalarna University is intended for students who wish to work in AI or who intend to proceed to PhD-programs in AI. After the completion of the program, the student in AI will be ready to work in several areas; advanced computing applications in industry and finance or frontier technologies such as biometrics or robotics. The student who wishes to proceed to international PhD-programs will have covered courses equivalent to first semester PhD-education.

The applied AI courses are selected from the list of courses in computer science at advanced level. The student may choose of interest. The student must select six of the following courses:

Autumn	Spring
Artificial Intelligence	Neural Networks
Algorithms and Complexity	Fuzzy Logic
Heuristics and Problem Solving	Data Mining
Distributed Knowledge Engineering	Computer Vision

Students who are particularly interested in applying AI to engineering and control problems and have the necessary prerequisite knowledge can, at the discretion of the programme manager, substitute one or two advanced courses in automatic control.

The Master Thesis ends the program. The Master Thesis may be carried out in industry or in university. Dalarna University has ongoing research projects within AI with applications in intelligent transport systems and medical informatics.

The programme runs with two intakes per year, at the start of each semester. The exact choice of courses to the student depends slightly on which semester they enter.

Dalarna University is a university created in 1977 and located in the province of Dalarna, in Sweden and 200 kilometers from Stockholm. The university has about 10 000 students. Our university cooperates with local housing companies and therefore accommodation is guaranteed less than 3 kilometers from the university.

The Swedish Institute has scholarships available through the "Visby Programme" for students from: Belarus, Ukraine, and Russia.

FACTS

Exam

Master's of Science in computer science (Swedish Magister)

ECTS

60 points

Rate of study

One year
Full time

Admission requirement

B.Sc in computer science, or equivalent

Campus

Borlänge

Programme start

Middle of August
2007 or January
2008

Period of application

autumn intake

15th of January –
1st of March 2007

spring intake

15th July –

1st September 2007

Application code

HDA – H22PH

Information

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