

## **Automation and Robotics Research, 6 HE credits**

*Automations- och robotforskning, 6 hp*

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Established: 2020-05-28

Established by:

Applies from: V21

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### **Learning outcomes**

The student shall demonstrate:

- the ability to independently identify, plan and realize industrial projects by applying methods and approaches valid for the subject field
- the ability to analyze industrial and academic investigative questions within robotics and automation
- understanding of research methodology within technical field also writing and peer review
- the ability to critically review and analyze scientific information relevant for the subject field
- knowledge of writing in a technical style and reference management in engineering
- a developed perspective to ethics, morals and scientific credibility

### **Entry requirements**

Minimum 15 HE from the Master Programme in Robotics, 60 HE including VTM605 Scientific methods in robotics and automation, 3 HE credits and RBK600 Robot certificate, 1.5 HE credits.

### **The forms of assessment of student performance**

Active participation in seminars, individual written report, individual oral presentation and opposition to others work.

### **Course contents**

The course consists of the following contents:

- Literature review own subject
- Evaluate different literature sources and the credibility
- Define scientific aims
- Follow a template with correct citation "paper format"
- Reading thesis work from Diva

### **Other regulations**

Course grading: F/Fx/E/D/C/B/A - Insufficient, Insufficient- more work required before the credit can be awarded, Sufficient, Satisfactory, Good, Very Good, Excellent

Course language: The teaching is conducted in English.

General rules pertaining to examination at University West are available at [www.hv.se](http://www.hv.se).

If the student has a decision/recommendation on special support due to disability, the examiner has the right to examine the student in a customized examination form.

### **Cycle**

Second cycle

### **Progressive specialization**

A1F - second cycle, has second-cycle course/s as entry requirements

### **Main field of study**

Automation, Mechanical Engineering, Production Technology