WASP Graduate School

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WASP | WALLENBERG AI, AUTONOMOUS SYSTEMS AND SOFTWARE PROGRAM

The Graduate School Mission

The mission of the WASP Graduate School is to educate PhDs with skills in strategically important disciplines within WASP, together with a broad knowledge of AI, autonomous systems and software development.

Goals – Students

Students should become knowledgeable **researchers** in the area of **AI, autonomous system or software**.

Students should form a strong sense of **belonging** to WASP connecting you together.

Students should get to know Swedish **industry**.

Students should form a strong and valuable **international** academic-industrial **network**.

Students should strive for **excellence.**

Goals – Graduate School

We will organize **courses** and **activities** to provide you with **state-of-the-art knowledge** in **AI, autonomous systems and software**.

We will organize **courses** and **activities** that **respect** the needs of a **heterogeneous** group of students spread out over Sweden

We will provide **added value** to the PhD education.

We will provide **opportunities** to those that really want to **excel.**

Activities

Winter Conference	Yearly conference for all WASP PhD students to present their research and get friendly feedback
Courses	At least 27 credits, 1 mandatory course Roughly one mandatory 6hp course per semester
Summer Schools	Usually in August
International Trip	Usually in October
Semester abroad	Usually last year of studies (optional)

WASP Courses

Mandatory for all	• Ethical, Legal, Societal and Economical Aspects of AI & AS, 3 ECTS
Select 2 out of 3 courses (provide a foundation for that area):	• Autonomous Systems, 6 ECTS • Artificial Intelligence and Machine Learning, 6 ECTS • Software Engineering and Cloud Computing, 6 ECTS
At least 2 more courses among all the courses including the ones above	• Mathematics for Machine Learning, 4 ECTS (new) • Introduction to Logic for AI, 2 ECTS (new) • Interaction, Collaboration, Simulation and Visualization, 6 ECTS (new) • WASP Project Course, 6 ECTS • Advanced Deep Learning, 6 ECTS • Graphical Models, Bayesian Learning, and Statistical Relational Learning, 6 ECTS • Learning Theory, 6 ECTS • Reinforcement Learning, 6 ECTS • Scalable Data Science and Distributed Machine Learning, 6 ECTS • …