saarland-informatics-campus.de

MSc Data Science & Artificial Intelligence WELCOME

Winter Semester, 06.10.2025 Isabel Valera







Program Objectives and Career Opportunities

- Prepare students for demanding national and international research and development activities in DSAI.
- Graduates become highly qualified professionals for careers in industry, research, and business sectors
- Foundations from mathematics and statistics to machine learning, artificial intelligence, big data, data management, modelling and simulation or data visualization.
- Career skills development (communication, teamwork, self-learning)

Comprehensive Support and International Environment

Flexible study plan with diverse elective opportunities, preparing students comprehensively for global careers

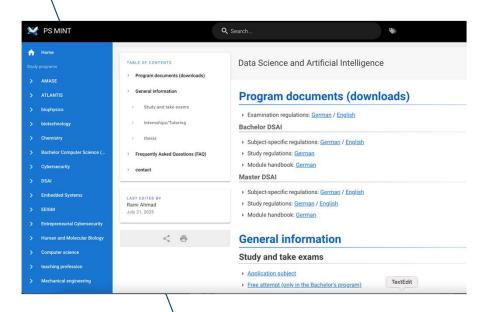
Clear guidance provided through structured academic advising and explicit guidelines on scientific integrity, fostering a responsible, ethical, and professional academic community

Strong Emphasis on Research and Innovation

The program is integrated with world-leading research institutions, such as DFKI, MPIs, and CISPA, allowing students to engage in state-of-the-art research projects

Students graduate with advanced competencies in scientific methodologies, innovation, and original research





Regulations





Subject-Specific Regulations Governing the Bachelor's and Master's Degree Programmes in Data Science and Artificial Intelligence at Saarland University Supplementing the Joint Examination Regulations for Bachelor's and Master's Degree Programmes of the Faculty of Mathematics and Computer Science

25 April 2019

Note: This translation is provided for information purposes only. In the event of any discrepancy between the translation and the original German version published in the Official Bulletin (Dienstblatt der Hochschulen des Saarlandes), the provisions of the latter shall take precedence.

Pursuant to the Saarland Higher Education Institutions Act (Official Gazette of Saarland, p. 1080) and to the Joint Examination Regulations for the Consecutive Bachelor's and Master's Degree Programmes of the Faculty of Mathematics and Computer Science of 2 July 2015 (Official Bulletin No. 72, p. 161) and with the consent of the University Senate and the University Board, the Faculty of Mathematics and Computer Science at Saarland University hereby issues the following Subject-Specific Regulations Governing the Bachelor's and the Master's Degree Programme in Data Science and Artificial Intelligence of the Department of Computer Science.

Section 27 Scope (cf. Sec. 1 of the Joint Examination Regulations)

These subject-specific regulations apply to the Bachelor's and the Master's degree programme in Data Science and Artificial Intelligence at Saarland University.

Section 28 General information (cf. Sec. 2 of the Joint Examination Regulations)

Both the Bachelor's and Master's degree programmes in Data Science and Artificial Intelligence are research-focused while giving equal weight to practical applications of the subject

Section 29 Types of degree programmes (cf. Sec. 3 of the Joint Examination Regulations)

The Bachelor's and Master's degree programmes in Data Science and Artificial Intelligence are single-subject degree programmes within the meaning of the Framework Examination Regulations for Bachelor's and Master's Degree Programmes at Saarland University (BMRPO).

Section 30 Student workload (cf. Sec. 4 of the Joint Examination Regulations)

Course attendance may be compulsory for certain seminars, project seminars, exercise and

https://www.ps-mint.uni-saarland.de/de/programmes/dsai



Program Structure & Duration

- Duration: 4 semesters

- Total credits: 120 ECTS

Mandatory elective modules

(total at least 78 ECTS):

- Min of 18 ECTS in DSAI Core lectures
- 9 CP core lectures in 'Informatics'
- 27–31 CP in DSAI core lectures, advanced lectures or seminars
- Min 7 ECTS in DSAI seminars

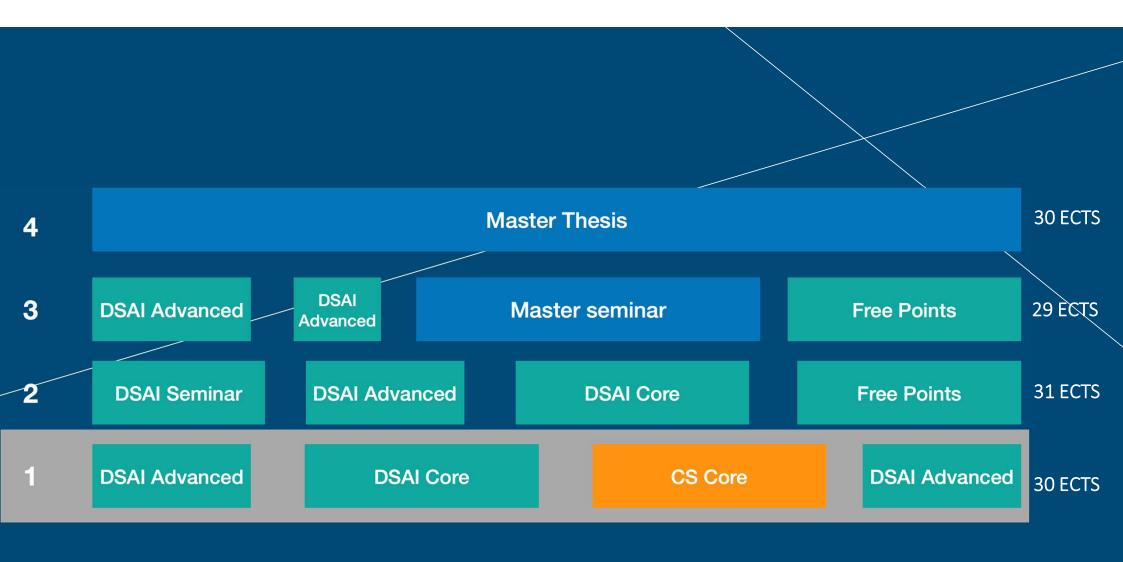
Freely selectable modules

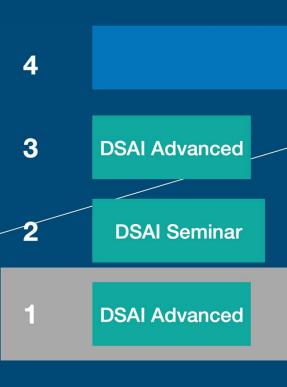
(at least 17 credits ungraded):

- Language courses
- Tutoring
- Soft skills
- •Internships, etc.

Compulsory modules:

- Master's Seminar (12 ECTS)
- Master's Thesis (30 ECTS)





Credit Points Calculation

- 1 CP = 30 hours of work
- 30 CP = 900 hours of work
- $900/40^* = 22.5$ weeks of *full-time* work

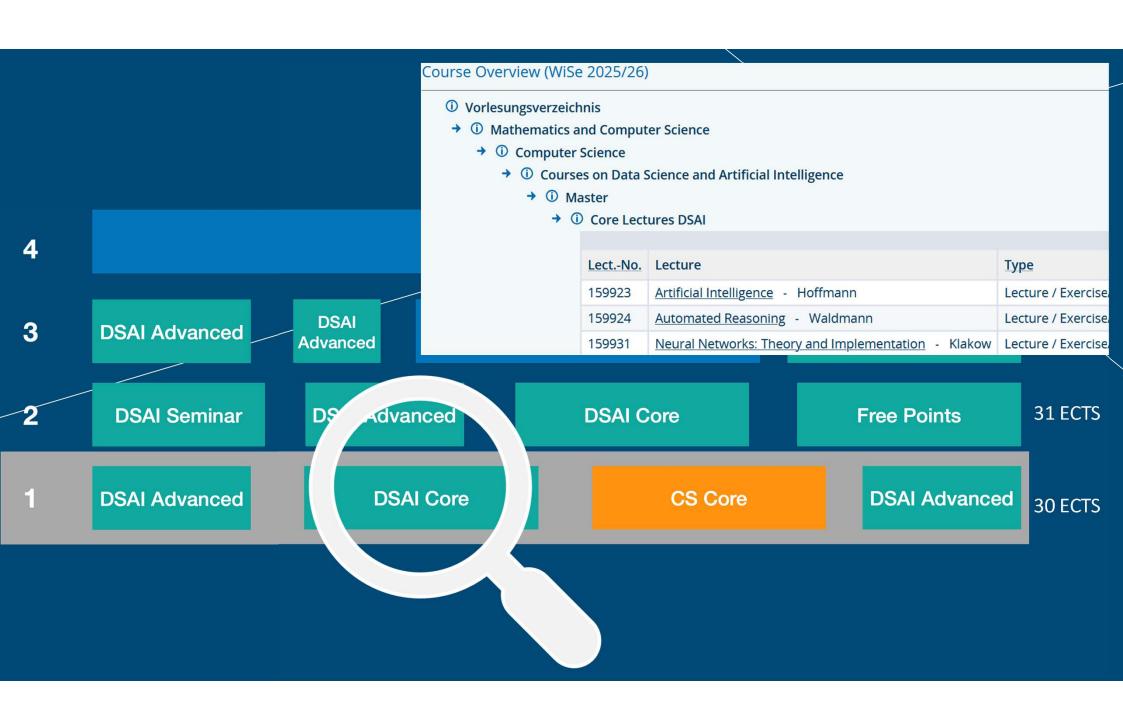
* Assuming 40 hours of work per week

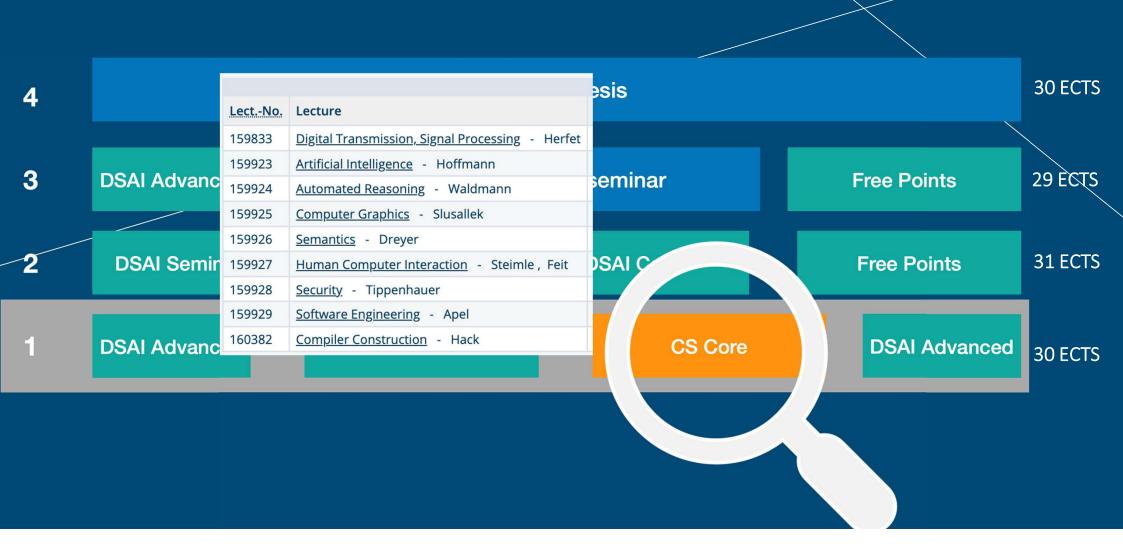
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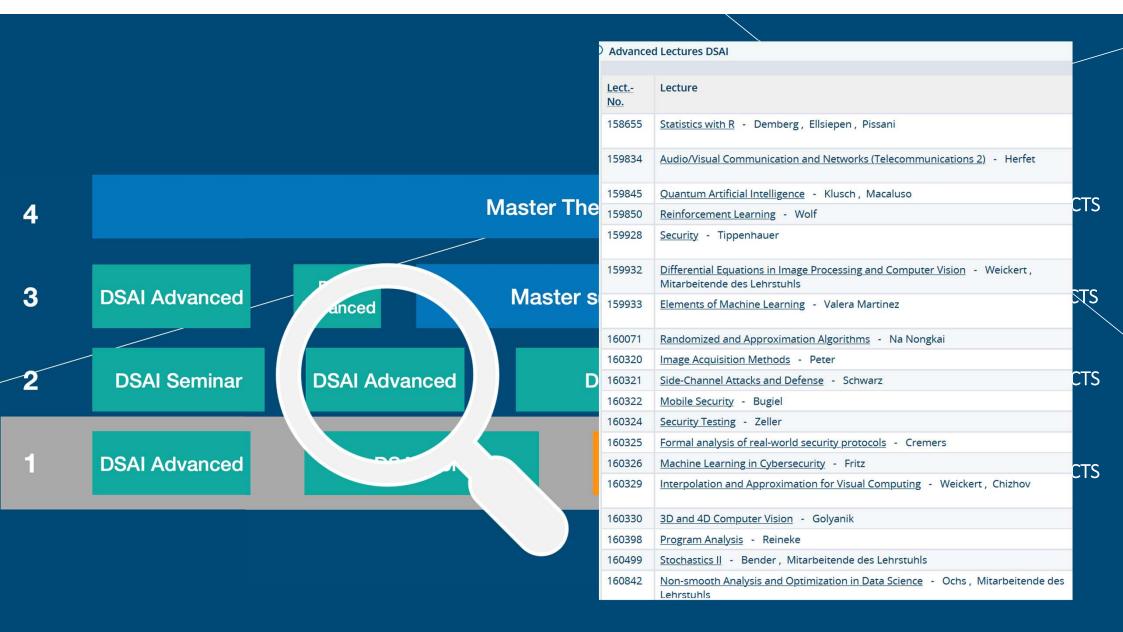
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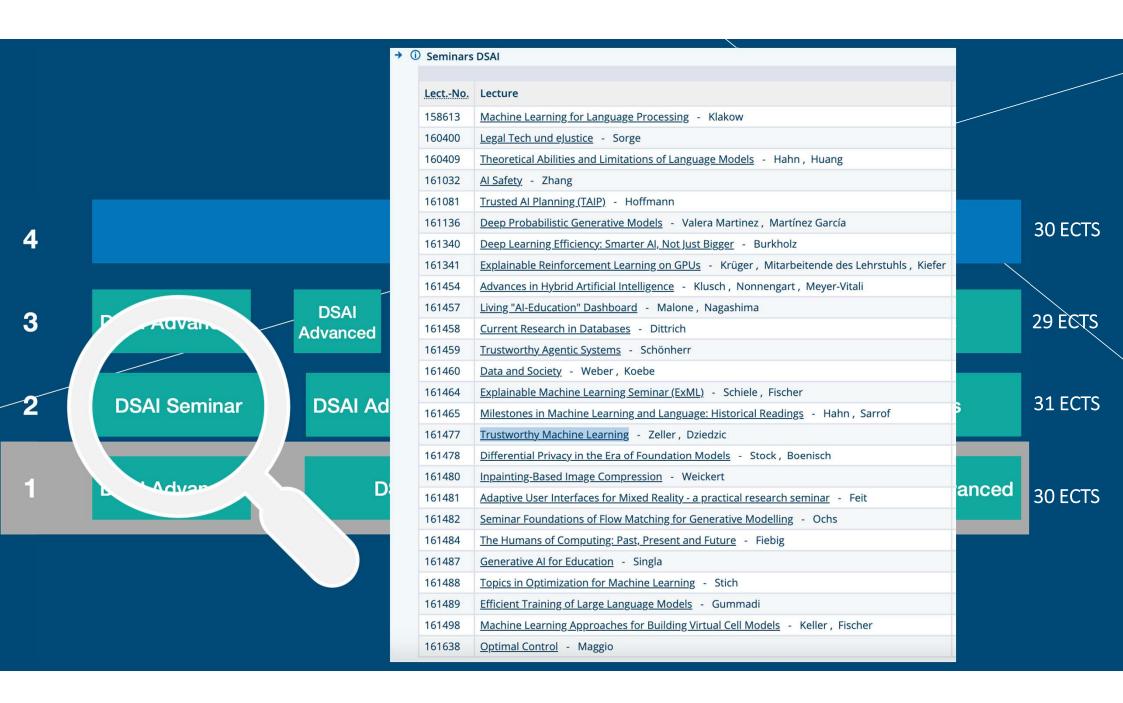
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Hinweis: Der vollständige Funktionsumfang ist nur aus dem Uninetzwerk bzw. mit VPN nutzbar

Home∣Login∣Winter 2025/26 | = / 💥 │ Sitemap

Student's Corner Courses Facilities Members

Course Overview (WiSe 2025/26)

(i) Vorlesungsverzeichnis

→ ① Mathematics and Computer Science

→ ① Computer Science

→ ① Courses on Data Science and Artificial Intelligence

→ ① Master

→ ① Core Lectures DSAI

→ ① Core Lectures Computer Science

→ ① Advanc Core Lectures DSAI öffnen

→ ① Seminars DSAI

→ ① Mandatory Elective Courses (Freely chosen points)

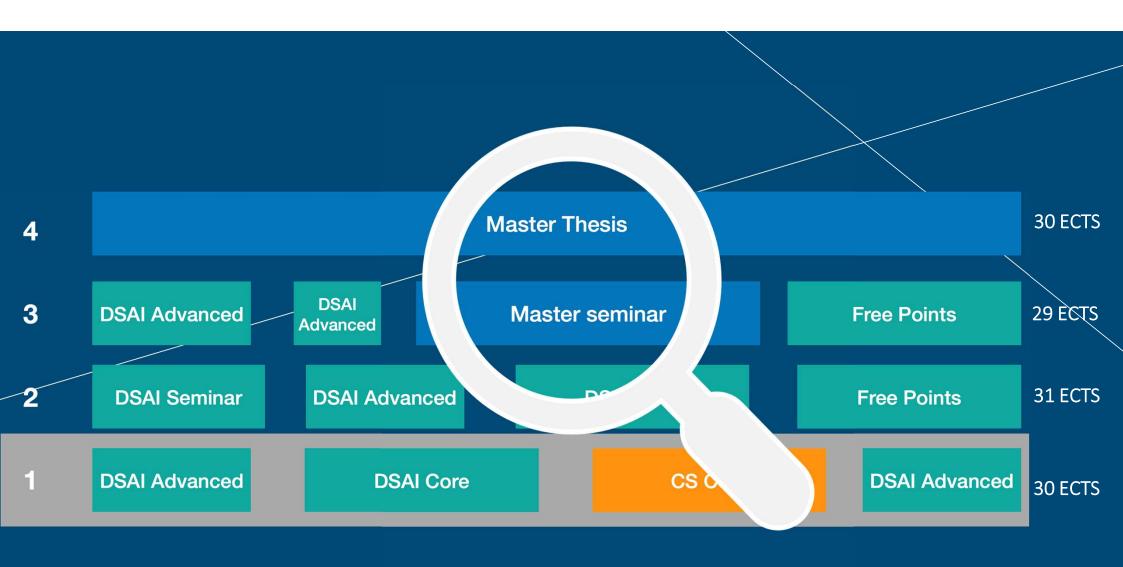


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3 DSAI Advanced

DSAI Seminar

DSAI Advanced



Master seminar & Master thesis



Master Seminar (12 ECTS)

Objective: Prepares students for their Master's Thesis by introducing them to independent research and topic presentation

Presentation:

- Students must give an oral presentation clearly outlining their intended thesis topic
- The seminar presentation is graded

<u>Timeline:</u> The Master's thesis topic must be registered after successfully completing the Master Seminar

Master seminar & Master thesis



Master Thesis (30 ECTS)

<u>Objective:</u> Demonstrates the student's ability to independently solve complex problems in *DSAI* through original scientific work

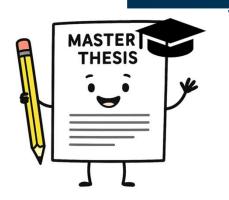
<u>Duration:</u> The thesis must be completed within six months after official registration

Colloquium: A mandatory 30-minute colloquium (oral defense) must be completed to validate the thesis as the student's own original work

<u>Assessment and Grading:</u> The thesis is graded, significantly contributing to the overall Master's degree grade

Start looking for a Thesis supervisor and topic well in advanced (e.g., 1 semester before the start)!

Master seminar & Master thesis



<u>Assessment and Grading:</u> The thesis is graded, significantly contributing to the overall Master's degree grade

