



Admission Requirements for the Master Programme Computer Science

for students without a Bachelor degree in Computer Science or Business Informatics from the University of Vienna

Prospective students with other academic degrees from the University of Vienna or with degrees from other recognized post-secondary educational institutions have to fulfil the following requirements for admission:

a) Mandatory knowledge areas.

In summary at least 30 ECTS are required in the following knowledge areas:

Knowledge area	ECTS	E.g. for Bachelor programme Computer Science at University of Vienna
Fundamentals of Computer Science (e.g. programming, theoretical computer science, software engineering, algorithms, data bases)	at least 12	- Programming 1, 6 ECTS - Programming 2, 6 ECTS - Theoretical Computer Science, 6 ECTS - Software Engineering 1, 6 ECTS - Software Engineering 2, 6 ECTS - Modelling, 6 ECTS - Algorithms and Data Structures 1, 6 ECTS - Programming Languages and Concepts, 6 ECTS - Database Systems, 6 ECTS - Human-Computer-Interaction, 6 ECTS
Mathematics and Statistics	at least 8	- Mathematical Foundations of Computer Science 1, 6 ECTS - Mathematical Foundations of Computer Science 2, 6 ECTS - Introductory Statistics, 6 ECTS - Introduction to Mathematical Modelling, 6 ECTS - Introduction to Numerical Computing, 6 ECTS
Computer Architecture / Computer Organisation (e.g. computer architecture, operating systems, computer networks)	at least 4	- Technical Foundations of Computer Science, 6 ECTS - Operating Systems, 6 ECTS - Network Technologies, 6 ECTS - Information Security, 3 ECTS
		Total: 111 ECTS (passed, minimum of 30 ECTS done)

b) Letter of motivation.

Describe in your own words your personal motivation for applying for this master programme. The letter of motivation shall be max. 3 pages (single-spaced, 11pt) in length and address the following catalogue of questions in separated sections (questions listed one-by-lone with respective answers):

1. How did your current degree programme prepare you for the Master's programme you applied for? (ca. 1-1.5 pages)
 - a. Specify how the courses from your current degree programme meet the mandatory knowledge areas with at least 30 ECTS (see above).
 - b. Specify why your current degree programme is basically equivalent to a computer science study programme. Consider the Bachelor programme Computer Science at the University of Vienna as your reference.

2. What is your educational and research vision? (ca. 1-1.5 pages)
 - a. Why did you pick this particular Master's programme?
 - b. Which clusters are you most interested in taking?
 - c. With which research groups would you be most interested in collaborating (for, e.g., the practical courses), and why?

File format and formatting:

- * PDF file, 11pt, max. 3 pages
- * Header with your name, master degree programme, and number of pages

If your current degree programme is only partly equivalent to a computer science study programme, additional courses of a maximum of 30 ECTS can be prescribed to establish full equivalence. If your current degree programme is not equivalent, admission is not possible.

The admission requirements are based on the Curriculum für das Masterstudium Informatik, Mitteilungsblatt der Universität Wien, 16. Stück, 25.03.2019, Nr. 95.

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