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Faculty of Digital Engineering

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14482 Potsdam, Germany

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Master of Science in Software Systems Engineering

Shaping the future with the latest information technology

March 2022 | Photos: HPI/Kay Herschelmann, LHP/Robert Schnabel

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Your Master in Software Systems Engineering

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“The master’s program in Software Systems Engineering provides students with in-depth expertise in cutting-edge areas of computer science. The graduates draw the tools for innovative research work and successful start-up ideas.”

Prof. Dr. Gerard de Melo, Study Program Representative and Head of the Artificial Intelligence and Intelligent Systems research group

Everything at a Glance

Program Overview

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<th>Title</th>
<th>Software Systems Engineering</th>
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<tr>
<td>Degree</td>
<td>Master of Science</td>
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<td>Standard length of studies</td>
<td>4 semesters</td>
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<td>Credits</td>
<td>120</td>
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<td>Language of instruction</td>
<td>English (C1)</td>
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<td>Start of studies</td>
<td>Winter semester</td>
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<td>Application deadline</td>
<td>June 01</td>
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Compulsory Modules

- Conceptual Foundations
- Data Foundations
- Analytical Foundations
- Systems Foundations
- Ethics, Law and Compliance
- Software Systems Engineering Lab

Specialization Areas

- Software Systems
- Online and Interactive Systems
- Data-Driven Systems
- Machine Learning and Analytics
- Models and Algorithms

Professional Skills

- Management and Leadership
- Design Thinking
- Entrepreneurship and Innovation
- Technologie-Communication and Transfer

Master’s Thesis

www.hpi.de/software-systems