# CURRICULUM M.SC. ARTIFICIAL INTELLIGENCE

## DISTANCE LEARNING, 60 ECTS credits

<table>
<thead>
<tr>
<th>Semester</th>
<th>Module</th>
<th>Course Code</th>
<th>Course</th>
<th>ECTS credits</th>
<th>Type of Exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT</td>
<td>PT I</td>
<td>PT II</td>
<td>FT</td>
<td>PT I</td>
<td>PT II</td>
</tr>
<tr>
<td>1. Semester</td>
<td>Machine Learning</td>
<td>DLMSML01</td>
<td>Machine Learning</td>
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<td>Exam</td>
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<td>Deep Learning</td>
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<td>Oral Assignment</td>
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<td>Use Case and Evaluation</td>
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<td>Oral Assignment</td>
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<tr>
<td>2. Semester</td>
<td>Reinforcement Learning</td>
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<td>Reinforcement Learning</td>
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<td>Seminar: Current Topics in AI</td>
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<td>Seminar: Current Topics in AI</td>
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<td>Research Essay</td>
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<td>Project: AI Use Case</td>
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<td>Project: AI Use Case</td>
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<td>Portfolio</td>
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<td>Elective*</td>
<td>DLMAIIAC01</td>
<td>Inference and Causality</td>
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<td>Advanced Workbook</td>
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<td>Master Thesis</td>
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<td>Thesis Defense</td>
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<td>Thesis Defense</td>
<td>1.5</td>
<td>Presentation: Colloquium</td>
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**Total:** 60 ECTS credits

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### Electives

- Computer Vision and NLP
- Advanced Robotics 4.0
- Artificial Intelligence in FinTech
- Applied Autonomous Driving
- Artificial Intelligence in Supply Chain Management
- AI in Healthcare and Medical Imaging
- AI in Healthcare and Medical NLP
- AI in Healthcare and Medical Robotics
- AI in E-Commerce, Marketing and Demand Forecast
- AI in E-Commerce, Marketing and Analytics
- AI in E-Commerce, Marketing and Customer-centric Marketing
- Industrial AI
- Industrial Production Systems
- Computer Vision for Production Systems
- NLP and its Application in Education
- Natural Language Processing and Voice Assistants
- NLP and its Application for Accessibility
- Computer Vision Essentials

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You've already planned out exactly how your course schedule should look? Wonderful! The IU International University of Applied Sciences offers you the flexibility to choose any module you like from any semester. You can work on a number of modules at the same time or one by one.

At the beginning, choose modules that particularly interest you or that you can use directly in your job. This motivates you and gives you success right from the start.

* Elective: Choose one module

**FT:** Full-Time, 12 months
**PT I:** Part-Time I, 18 months
**PT II:** Part-Time II, 24 months