Double Degree MSc Computer Science

Hochschule Augsburg together with Odessa Polytechnic National University, Ukraine
Faculty of Computer Science

Our History
- 1980: First modules in computer science
- 1991: Foundation of the faculty of computer science
- 2004: Introduction of the master programme in computer science
- 2006: Introduction of the bachelor programmes

Today
- 24 Professors
- 20 Part-time lecturers
- 17 Staff members
- 12 Research assistants
- 10 Degree programme courses
- Around 840 students
International activities

Cooperations with partner universities in e.g:
• Denmark
• Russia
• Sweden
• Spain
• Ukraine
• USA
• UK
• etc.

For example: Research and development projects for students, study semesters abroad, practical placements as well as final theses

New BSc programme
International Information Systems

System.out.println(“Hello world”);
printf(“hello world.\n”);
MSc Computer Science course

- Integration of research and teaching
- Skills in scientific debate
- Teach/learn to work independently
- Leadership skills

- Full-time study programme
- 3 semesters (90 ECTS)
- Modules in German language

- 25 ECTS optional modules
- 25 ECTS thesis project

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### Studienplan für den Masterstudiengang Informatik

<table>
<thead>
<tr>
<th>Modul Wissenschaftliche Grundlagen</th>
<th>CP</th>
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<tr>
<td>Theoretische Informatik</td>
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<tr>
<td>Modul Systemarchitekturen</td>
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<tr>
<td>Softwaresysteme</td>
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<td>Hardwaresysteme</td>
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<td>Modul Vertiefung</td>
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<td>Wahlpflichtfächer</td>
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<td>Modul Wissenschaftliches Arbeiten</td>
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<td>Projektarbeit</td>
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<td>Workshop</td>
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<td>Masterseminar</td>
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<td>Masterarbeit</td>
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<tr>
<td>Gesamt</td>
<td>90</td>
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</table>

Odessa Polytechnic National University

- Location: Ukraine, Odessa, Shevchenko ave., 1
- Ownership: State
- Affiliation: Ministry of Education and Science of Ukraine
- Foundation year: 1918
- Higher education levels of training programs
  - First (Bachelor) level: 36 specialties, 76 educational programs (specializations)
  - Second (Master) level: 29 specialties, 62 educational programs (specialization)
  - Third (educational-scientific) level (seeking the Doctor of Philosophy degree): 22 specialties
- Scientific level (seeking the Doctor of Sciences degree): 15 specialties
- The actual number of students studying at the university: is 6 618 people

Source: https://op.edu.ua/
Master in information management systems and technologies – Institute of Computer Systems

- Full-time study programme
- 3 semesters
- 90 ECTS
- Modules in Ukrainian language

- 16,5 ECTS thesis project
The road to our double degree programme

Student group projects and language courses (faculty of mechanical engineering HSA and “German technical faculty” OPNU)

2013
Delegation trip to OPNU
President, International Office, Faculties

Since 2013
Mutual student group projects, student exchange, summer schools

Since 2016
Double degree programme in Computer Science (MSc)
Formal agreement and addenda

- Formal agreement (2016)
  - Based on the first „Memorandum of Understanding“ (from around 2013)

- Addendum A1 (module correlations)
  - Partner university’s study programmes
  - Module correlations and „student stories“

- Addendum A2 (degree requirements)
  - R1: 25 ECTS from partner university
  - R2: Joint master thesis
  - R3: Executive summary in partner’s language

- Addendum B (organisational issues)
  - Following the ERASMUS+ agreement template
  - Necessary language skills
    - @HSA: German B1
    - @OPNU: Russian B1, English B1
Outlook and further developments

Double degree
MSc Computer Science

Double degree
MSc Business Information Systems

Joint PhD programme
Thank you for your attention!
Do you have any questions?

Double Degree MSc Computer Science
Hochschule Augsburg together with Odessa Polytechnic National University, Ukraine
Prof. Honorary Doctor of ONPU Dr.-Ing. Thorsten Schöler

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