Your computer science options at Ostfalia:

• Undergraduates Systems Engineering
• Graduates Information Engineering
• Graduates Systems & Computer Engineering

Free selection based on learning agreement – please discuss your schedule in advance, because program may vary; Internship at Ostfalia or company

Terms:
• Spring: March to June
• Autumn: September to January

Costs:
• Airfare (depending)
• Housing approximately 300 Euros per month
• Meals approximately 300 Euros per month
• Health insurance 70 Euros per month
• Administrative fees 170 Euros per term

If there is a cooperation agreement between the two universities, tuition must only be paid at home university. No additional tuition needs to be paid at Ostfalia then.

* A deposit may be requested.

For details about your stay at Ostfalia university please contact your international relations office or:

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Web  www.ostfalia.de/i

Stand: Juli 2019
For Undergraduates

The department of computer sciences offers several classes concerning specification and design for automotive, aerospace and robotic technology systems for foreign and local students. The classes are suited for intermediate to advanced level undergraduate CS-students. Students attending the system engineering program should have a good understanding of at least one programming language - preferably JAVA - and the CS basics.

Students with good performance may extend their stay by a half-year internship at a German company.

Spring term:
- computer architectures
- operating systems and computer networks
- automata theory
- mixed reality
- principles of compiler design
- computer graphics

Autumn term:
- signals and systems
- process computing
- automata theory
- system on chip

For each class you can get 5 ECTS (European Credit Transfer System). Program may vary.

For Graduates

The computer science faculty offers a two years CS master program. You can choose classes in Information Engineering (IE), Systems & Computer Engineering (CSE) and Software engineering (SE).

Class language is German.

The following classes are offered (but not all in each term):

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<th>Software Engineering</th>
<th>Information Engineering</th>
<th>Systems &amp; Computer Engineering</th>
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<tr>
<td>User Interfaces für Mobile Systeme</td>
<td>Statistische Methoden</td>
<td>Robuste Systeme</td>
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<tr>
<td>Entwicklung großer Anwendungs Systeme</td>
<td>Datenbanktechnologien</td>
<td>Robotik</td>
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<td>SE-Projekt (Master)</td>
<td>Heuristische Suche</td>
<td>Verteilte Echtzeit Systeme</td>
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<td>Architekturen moderner Informationssysteme</td>
<td>Angewandte Kryptografie</td>
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<td>Scaled Agile and Continuous Delivery</td>
<td>Maschinelles Lernen</td>
<td>Simulation und Verifikation</td>
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<td>Effiziente Algorithmen</td>
<td>Fortgeschrittene Themen der IT-Security</td>
<td>Autonomous Systems</td>
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<tr>
<td>Wissenschaftliches Rechnen</td>
<td>Stream Processing</td>
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<td>Fortgeschrittene Themen der IT-Security</td>
<td>Gesprächs- und Verhandlungsführung / -techniken</td>
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</tbody>
</table>

3 Schwerpunkte

Insgesamt müssen 16 Module bestanden werden (ggf. auch oberflächliche). Bis zu 2 Schwerpunkte können nach Antrag auf dem Zeugnis ausgewiesen werden, wenn jeweils mindestens sieben zugeordnete Module bestanden wurden.

For each class you can get 5 ECTS.

For all our visiting students (Undergraduates and Graduates) we offer in addition in spring and autumn terms:
- German language for Computer Science
- Project depending on research interest
- electives

All content details you can find on our homepage: www.ostfalia.de/en/i