Industrial ICT

Basic information:

Code: FITech

Extent: 4–30 ECTS

Language: English

Organising university: University of Turku in co-operation with Åbo Akademi

Methods and location: Contact learning or blended learning in Turku

Professor in charge:
- University of Turku: Each course has a responsible teacher, whose name can be found here.
- Åbo Akademi: Johan Lilius, Åbo Akademi (johan.lilius@abo.fi)

Contact person in practical matters:
- University of Turku: Project Manager Timo Vasankari, University of Turku (timo.vasankari@utu.fi)
- Åbo Akademi: Ivan Porres, Åbo Akademi (ivan.porres@abo.fi)

Target group: All Aalto students, especially Schools of Technology students. Students with basic courses in programming and networks.

Application process:
- This guideline applies to students who want to attend FITech studies in universities other than their home university.
- Instructions for applying (opens in a new tab)
- More info can be found on FITech’s website.

Quotas and restrictions: -

Prerequisites: Some of the courses require programming skills to fully exploit the presented technologies. Other courses provide an introduction to their topic for students with only elementary knowledge of programming. Check course-specific pre-requisites to choose a combination most suitable for you.

Content and structure of the minor

This minor provides wide overview of technologies and processes essential in designing and implementing “smart industry” applications in the Internet era. Courses cover diverse topics ranging from: data exchange, cloud services, cyber-physical systems, Big Data, Artificial Intelligence (AI), Internet of things (IoT), security, (semi-)autonomous industrial techniques etc.

More information: https://fitech.io/studies/industrial-ict/

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>ECTS</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>FITech</td>
<td>Industrial seminar on future technologies</td>
<td>5</td>
<td>Ongoing</td>
</tr>
<tr>
<td>FITech</td>
<td>Sulautettujen järjestelmien ohjelmointi</td>
<td>4</td>
<td>2.9.–27.10.2019</td>
</tr>
<tr>
<td>FITech</td>
<td>Ohjelmistotuotannon peruskurssi</td>
<td>4</td>
<td>2.9.–27.10.2019</td>
</tr>
<tr>
<td>FITech</td>
<td>System and applications security</td>
<td>5</td>
<td>2.9.–27.10.2019</td>
</tr>
<tr>
<td>FITech</td>
<td>Data analysis and knowledge discovery</td>
<td>5</td>
<td>28.10.–22.12.2019</td>
</tr>
<tr>
<td>FITech</td>
<td>Enterprise Architecture</td>
<td>6</td>
<td>Spring 2020</td>
</tr>
</tbody>
</table>