

Course Catalogue Engineering and ICT

EXCHANGE PROGRAMME

Security Engineering 2024-2025

*University of
Applied Sciences*

Windesheim



Course summary	
VOE Code: ICT.KS.INT	ECTS credits: 1 Level: Bachelor's degree (full-time)
Course Title	International Course
Type	Optional
Learning competences	
Learning outcomes	The student can give a presentation of 30 minutes for a mixed audience about the differences in (inter)cultural aspects between The Netherlands and their home country.
Course content	<p>Content of the presentation shows aspects that vary from food and habits to teaching and/or working in a company. Some theoretical aspects need to be included, like the dimensions of Hofstede (country comparison) or the ones from Hall. It can start with a general introduction of the country itself.</p> <p>The 30 minutes consist of 20 minutes presentation and 10 minutes Q and A with the audience.</p>
Planned learning activities and teaching methods	Presentation for audience
Recommended or required reading and other learning resources / tools	<ul style="list-style-type: none"> • Student's laptop. • Big monitor/screen in the room.
Prerequisites and co-requisites	You are required to have two years of Bachelor's study experience and English-language skills at B2 level.
Level	Advanced
Grading scale	1 up to 10, 1 dec.
Assessment methods and criteria	Pass or fail
Language of Instruction	English
Name of lecturer	For information about the lecturers you can contact Bertrand Weegeenaar
Mode of delivery	Face to face

Course summary	
VOE Code: ICT.KS.SECENG.V20	ECTS credits: 24 Level: Bachelor's degree (full-time)
Course Title	Project Security Engineering
Type	Compulsory
Learning competences	
Learning outcomes	<p>In Security Engineering students learn, in various phases, in collaboration with actual clients, to investigate the possibilities and solutions in cybersecurity and work on new applications using procedures, protocols, tools and technology. Conducting research, developing proof-of-concepts and/or building prototypes form a substantial part of most projects.</p> <p>Security Engineering is one of the elective semesters of HBO-ICT. In these semesters, students learn to participate in projects in a professional working environment. This is done in multi-disciplinary teams for actual client or a real-life setting. In this way, students learn from the professional environment, as well as other disciplines in the project.</p> <p>The feedback, evaluation and supervision focuses on preparing students as much as possible for the final graduation phase of the study programme.</p>
Course content	The Security Engineering projects can vary considerably. Examples are developing security policies for government, researching and building a proof-of-concept for a secure mobile app delivery platform for the Dutch Police or the deployment of new technology and/or new applications for students..

	<p>In Security Engineering, every project is different, which means that the learning opportunities can vary as well. It is up to the student how he/she choose to shape these semester.</p> <p>To help the students with their projects, a number of workshops can be attended. Some of them are obligatory (e.g., project management, planning), others are elective (scrum, game design etc.). The workshops are not graded individually, but are aimed to contribute to the succes of the specific projects.</p> <p>Students enrolled in this minor will select two Professional Skills (3ECTS each course) from our list of elective courses (Leadership, Financial Management, 7 Habits etc.)</p>		
Planned learning activities and teaching methods	<p>Students work on a large project for 20 weeks. The project is done for actual client or in a real-life setting. The multi-disciplinary student teams of 3 to 5 students work on the project for 32 hours every week (Tuesday to Friday) at school or at the client's location.</p> <p>As part of the project there are project coaching sessions, workshops contributing to your project and regular presentations in which students share their obtained knowledge and progress.</p> <p>The professional skills are scheduled on Mondays.</p> <p>Therefore students will need to be available from Monday to Friday during this semester.</p>		
Recommended or required reading and other learning resources / tools	<p>Only freely-accessible learning materials are being used. When specific hardware of software is needed for your project, this will be provided.</p>		
Prerequisites and co-requisites	<p>You are required to have two years of Bachelor's study experience in a relevant field and English-language skills at B2 level.</p>		
Level	<p>Advanced</p>		
Grading scale	<p>1 up to 10, 1 dec.</p>		
Assessment methods and criteria	Type of assessment	Grade weighting	Criteria
	Portfolio - assessment	1	Higher or equal to 5.5
	Professional attitude	0	Higher or equal to 5.5
Language of Instruction	<p>English</p>		
Name of lecturer	<p>For information about the lecturers you can contact Bertrand Weegenaar</p>		
Mode of delivery	<p>Face to face</p>		

