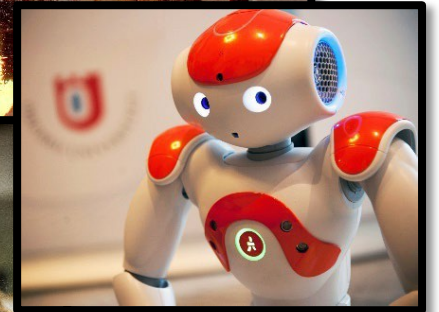
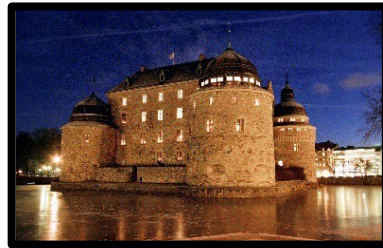




School of Science and Technology
Örebro University, Sweden

The School of Science and Technology offers courses in

- *Chemistry*
- *Biology*
- *Environmental Science*
- *Mathematics*
- *Computer Science*
- *Building Construction*
- *Mechanical Engineering*

Here is a brief view of the courses offered for exchange students during autumn semester 2025 and spring semester 2026. Besides courses in Science and Technology, there are other courses that might be of interest to combine with. See link below.

Some Information

- In Sweden we divide each year into weeks where every week has its number.
The autumn semester 2025 runs from week 36 in 2026 until week 02 in 2027.
Week 36-40 (Sep 1 - Oct 5), week 41-45 (Oct 6 -Nov 9), week 46-50 (Nov 10-Dec 14) and week 51-02 (Dec 15 -Jan 18).
- Spring semester 2027 runs from week 03-22.
Week 03-07 (Jan 19-Feb 22), week 08-12 (Feb 23-Mar 29), week 13-17 (Mar 30-May 3) and week 18-22 (May 4-June 7).
- Please note that there are no official holidays during the semesters!
- A full academic year consists of 60 Credits (60 ECTS), divided into two semesters of 30 Credits (30 ECTS) each.
- More information regarding which courses Örebro University offer exchange students 2026/2027 in other subjects can be found on <https://www.oru.se/english/study/exchange-students/courses/>
- Any questions? Please contact studievagledning.nt@oru.se

AUTUMN 2026

	Period 1 (week 36-40)	Period 2 (week 41-45)	Period 3 (week 46-50)	Period 4 (week 51-02)
CHEMISTRY				
Year 2 courses	Inorganic Chemistry 7,5 Credits		Analytical Chemistry 7,5 Credits	
Year 3 courses	Instrumental Analytical Methods 15 Credits		Environmental Forensics 15 Credits	
Independent Project for Degree of Bachelor in Chemistry 15 Credits				
Master's courses	Independent Project for Degree of Master in Chemistry 30 Credits			
BIOLOGY				
Year 2 courses	Mechanistic Toxicology, 7,5 Credits			Doping, Drugs of Abuse and Forensic Analysis, 7,5 Credits
Year 3 courses	Biological Model Systems, 7,5 Credits	Immunology, 7,5 Credits	Infection Microbiology, 7,5 Credits	Professional Development and Communication in Bioscience 7,5 Credits
			Independent Project for the Degree of Bachelor in Biology, 15 Credits	
ENVIRONMENTAL SCIENCE				
Year 2 courses		Environmental Science, Food Science III, Food Microbiology, 7.5 Credits		
Year 3 courses	Environmental Science, The Food System, the EU and the World, 7.5 Credits	Environmental Science, The Food System in a Sustainable Societal Transformation, 7.5 Credits	Environmental Science, Innovations for Food Systems in a Circular Economy 15 Credits	
MECHANICAL ENGINEERING				
Year 1 courses	Solid Modelling and Technical Drawing 7,5 Credits (part-time)			
Year 3 courses	Production Engineering & Lean 7,5 Credits (part-time)		Structural Dynamics and Vibrations 7,5 Credits (part-time)	
Master's courses	Production Development 30 Credits			
			Systems Availability Modelling, 9 Credits (part-time)	

AUTUMN 2026

	Period 1 (week 36-40)	Period 2 (week 41-45)	Period 3 (week 46-50)	Period 4 (week 51-02)
COMPUTER SCIENCE Year 2 and 3 courses	Introduction to Robotics 7,5 Credits (part-time)		Artificial Intelligence, 7,5 Credits (part-time)	
	Programming Paradigms, 7,5 Credits (part-time)		Visualization Technology 7,5 Credits (part-time)	
			Real Time Programming 7,5 Credits (part-time)	
Year 3 courses	Project Work in Computer Science, 15 Credits (part-time or full-time)			
Master’s courses – theoretical	Software Architectures 7.5 Credits (w. 36-44, part-time)		Computer Graphics for MSc in Engineering 7.5 Credits (w. 44-02, part-time)	
			Mobile Platforms 7.5 Credits (w. 45-03, part-time)	
			Digital Image Processing and Computer Vision 7.5 Credits (w. 45-03, part-time)	
Master’s courses – project work	Computer Science, Second Cycle, Project Work in Computer Science, 15 Credits (part-time or full-time)			
	Computer Science, Second Cycle, Project Work in Computer Science, 30 Credits (full-time)			
MATHEMATICS Year 2 courses			Complex Analysis 7,5 Credits (part-time)	
			Abstract Algebra 7,5 Credits (part-time)	
Year 3 courses	Linear Analysis 7,5 Credits (part-time)		Numerical Methods for Differential Equations, 6 Credits (part-time)	
	Probability Theory 7,5 Credits (part-time)			
Year 3 courses	Independent Project for the Degree of Bachelor in Mathematics 15 Credits (part-time)			
Master’s courses* <i>* Two master’s courses in Mathematics run each semester. Fall 2027 there will be two other courses.</i>	Inverse Problems, 7,5 Credits (part-time)			
	Mathematical Foundations and Algorithms for Machine Learning 7,5 Credits (part-time)			
BUILDING CONSTRUCTION Year 3 courses	Building as an Energy System II, 7,5 Credits (part-time)		Building as an Energy System III, 7,5 Credits (part-time)	
			Structural Engineering for Buildings IV, 7,5 Credits (part-time)	

SPRING 2027

	Period 5 (week 03-07)	Period 6 (week 08-12)	Period 7 (week 13-17)	Period 8 (week 18-22)
CHEMISTRY	Analytical Science and Forensics 15 Credits (The course runs as 50% study time week 04-13, and then as a full-time study course week 14-18.)			
Year 2 courses				
Year 3 courses	Analytical Biochemistry 15 Credits		Independent Project for the Degree of Bachelor in Chemistry 15 Credits	
	Applied Biochemistry 7,5 Credits			
	Independent Project for the Degree of Bachelor in Chemistry 15 Credits			
	Independent Project for the Degree of Bachelor in Chemistry 30 Credits			
Master's courses			Independent Project for Degree of Master (60 Credits) in Chemistry 15 Credits	
	Independent Project for Degree of Master in Chemistry 30 Credits			
BIOLOGY				
Year 1 courses	Molecular Biology and Genetics 7,5 Credits	Prokaryotic Cell Biology 7,5 Credits	Eukaryotic Cell Biology 7,5 Credits	Ecology 7,5 Credits
Year 2 courses	Bioinformatics and System Biology Methods, 7,5 Credits (50% study time)		Environmental Biology, 7,5 Credits	Biological Forensics. 7,5 Credits
Year 3 courses		Experimental Design, 7,5 Credits		
MECHANICAL ENGINEERING				
Year 1 courses	Mechanics for MSc in Engineering 7,5 Credits (part-time)		Machine Elements 7,5 Credits (part-time)	
Year 2 courses	Manufacturing Engineering 7,5 Credits (part-time)		Forming Technology 7,5 Credits (part-time)	
Year 3 courses	Finite Element Analysis, Advanced Course 7,5 Credits (part-time)			
	Geometric Modelling and Simulation, 7,5 Credits (part-time)			

SPRING 2027

	Period 5 (week 03-07)	Period 6 (week 08-12)	Period 7 (week 13-17)	Period 8 (week 18-22)
COMPUTER SCIENCE Year 2 and 3 courses	Machine Learning 7,5 Credits (part-time)		Computer Security for BSc in Engineering, 7.5 Credits (part-time)	
	Human-Machine Interaction 7,5 Credits (part-time)		Programming of Distributed Systems 7,5 Credits (part-time)	
Year 3 courses	Project Work in Computer Science 15 Credits (part-time or full-time)			
Master's courses - theoretical		Artificial Intelligence for the Web 6 Credits (w. 10-22, part-time)		
		Computer Security 6 Credits (w. 10-22, part-time)		
		Computer Science, Second Cycle, Bioinformatics, AI and Network Biology for Precision Medicine and Health, 7.5 Credits (part-time)		
Master's courses – project work	Computer Science, Second Cycle, Project Work in Computer Science 15 Credits (part-time or full-time)			
	Computer Science, Second Cycle, Project Work in Computer Science 30 Credits (full-time)			
MATHEMATICS Year 2 courses	Optimization 7,5 Credits (part-time)		Computational Mathematics I 6 Credits (part-time)	
	Linear Algebra II 7,5 Credits (part-time)		Differential Equations 7,5 Credits (part-time)	
Year 3 courses	Computational Mathematics II 7,5 Credits (part-time)		Case Studies in Computational Mathematics 7,5 Credits (part-time)	
Year 3 courses	Independent Project for the Degree of Bachelor in Mathematics 15 Credits (part-time)			
Master's courses* * Two master's courses in Mathematics run each semester. Spring 2028 there will be two other courses.	Algebra and Representation Theory, 7,5 Credits (part-time)			
	Enumerative Combinatorics7,5 Credits (part-time)			