

Teaching programme 2026-27		Changes possible!					
Bachelor's programme in	Course code	Course unit name	ECTS	Period	Language of instruction	Mode of teaching	Additional information on the target groups
Chemistry	KEK205	Biological chemistry	5 cr	4. period	English	contact teaching	–
Chemistry	KEK207	Labworks in inorganic chemistry 1: Reactions and analytical work	5 cr	3. period	Finnish, Swedish, English	contact teaching	–
Chemistry	KEK207	Labworks in inorganic chemistry 1: Reactions and analytical work	5 cr	4. period	Finnish, Swedish, English	contact teaching	–
Chemistry	KEK208	Labworks in inorganic chemistry 2: Analysis project	5 cr	3. period	Finnish, Swedish, English	contact teaching	–
Chemistry	KEK208	Labworks in inorganic chemistry 2: Analysis project	5 cr	4. period	Finnish, Swedish, English	contact teaching	–
Chemistry	KEK209	Labworks in organic chemistry 1: Qualitative analysis	5 cr	1. period	Finnish, Swedish, English	contact teaching	–
Chemistry	KEK210	Labworks in organic chemistry 2: Synthesis	5 cr	1. period	Finnish, Swedish, English	contact teaching	–
Chemistry	KEK210	Labworks in organic chemistry 2: Synthesis	5 cr	4. period	Finnish, Swedish, English	contact teaching	–
Chemistry	KEK222	Computational chemistry	5 cr	4. period	English	contact teaching	–
Chemistry	KEK225	Radiochemistry	5 cr	1. period	English	contact teaching	–
Chemistry	KEK228	Bioinorganic chemistry	5 cr	4. period	English	contact teaching	–
Chemistry	KEK405	Digital Skills in Chemistry	1 cr	3. period	English	contact teaching	–
Computer Science	TKT20016	Computing platforms	5 cr	3. period	English	Contact teaching	–
Computer Science	TKT200091	Cyber Security Base: Introduction to Cyber Security	1 cr	1. period	English	Online teaching	–
Computer Science	TKT200092	Cyber Security Base: Securing Software	3 cr	1.-2. period	English	Online teaching	–
Computer Science	TKT200093	Cyber Security Base: Course Project I	1 cr	2. period	English	Online teaching	–
Computer Science	TKT200151	Computing and Society: an introduction	2 cr	1.-4. period	English	Online teaching	–
Computer Science	TKT200152	Computing and Society: continuation course (online)	3 cr	4. period	English	Online teaching	–
Computer Science	TKT20010	Algorithms and Artificial Intelligence Project	4 cr	1. period, 2. period, 3.	English	Includes both contact and distance teaching	–
Computer Science	TKT21029	Functional Programming I	5 cr	1.-4. period	English	Online teaching	–
Computer Science	TKT21030	Functional Programming II	5 cr	1.-4. period	English	Online teaching	–
Computer Science	TKT21036	DevOps with Docker	1 cr	4. period	English	Online teaching	–
Computer Science	TKT21037	DevOps with Docker: docker-compose	1 cr	4. period	English	Online teaching	–
Computer Science	TKT21038	DevOps with Docker: security and optimization	1 cr	4. period	English	Online teaching	–
Computer Science	TKT21039	Core 5G and Beyond	2 cr	1.-4. period	English	Online teaching	–
Computer Science	TKT21040	Test-Driven Development	4 cr	3. period	English	Online teaching	–
Computer Science	TKT21041	Test-Driven Development: Full Stack	1 cr	3. period	English	Online teaching	–
Computer Science	EIS-001	Introduction to Innovation and Entrepreneurship	2 cr	1.-4. period	English	Online teaching	–
Computer Science	EIS-002	From Idea to Innovation – The Product Development Journey	2 cr	1.-4. period	English	Online teaching	–
Computer Science	EIS-003	Basics of Entrepreneurship - How to Start and Run a Company	2 cr	1.-4. period	English	Online teaching	–
Computer Science	EIS-004	IP 360°: Exploring the Full Sphere of Intellectual Property	2 cr	1.-4. period	English	Online teaching	–
Computer Science	EIS-005	Business Model Canvas - Design your Company	2 cr	1.-4. period	English	Online teaching	–
Geography	MAA-207	Physical geography, literature	5 cr	1.8.2026-31.7.2027	Finnish, Swedish, English	Examinarium-exam	Only for programme's own exchange students
Geography	MAA-232	Book case: physical geography	5 cr	1.8.2026-31.7.2027	Finnish, Swedish, English	Examinarium-exam	Only for programme's own exchange students
Geology	GEOK101	Geologiset prosessit	5 cr	1. - 2. period	Finnish	contact teaching	Exam also in English. Book exam in March.
Geology	GEOK103	Maan ja elämän evoluutio	5 cr	1. period	Finnish, English	contact teaching	–
Geology	GEOK2023	Structural Geology	5 cr	3. period	English	contact teaching	–
Geology	GEOK2032	Kiinteän maan geofysiikan peruskurssi	5 cr	1. period	Finnish, English	contact teaching	–
Geology	GEOK3001	Geo-Python	5 cr	1. period	English	contact teaching	–
Mathematical sciences	MAT11006	Calculus IA: limits and differentiation	5 cr	1.8.2026-31.7.2027	Finnish, English	Examinarium exam	–
Mathematical sciences	MAT11006	Calculus IA: limits and differentiation	5 cr	1. period	English	Includes both contact and distance teaching	–
Mathematical sciences	MAT11007	Calculus IB: integration	5 cr	1.8.2026-31.7.2027	Finnish, English	Examinarium exam	–
Mathematical sciences	MAT11007	Calculus IB: integration	5 cr	2. period	English	Includes both contact and distance teaching	–
Mathematical sciences	MAT11008	Advanced calculus	5 cr	1.8.2026-31.7.2027	Finnish, English	Examinarium exam	–
Mathematical sciences	MAT11008	Advanced calculus	5 cr	3. period	English	Includes both contact and distance teaching	–
Mathematical sciences	MAT11009	Mathematics for computer science I	5 cr	3. period	English	Includes both contact and distance teaching	–
Mathematical sciences	MAT11015	Mathematics for computer science II	5 cr	4. period	English	Includes both contact and distance teaching	–
Mathematical sciences	MAT12001	Basics of statistics and R I	5 cr	1.8.2026-31.7.2027	Finnish, English	Examinarium exam	–
Mathematical sciences	MAT12001	Basics of statistics and R I	5 cr	1. period	Finnish	online teaching (not time-bound)	Materials, assignments, and guidance also in English
Mathematical sciences	MAT12001	Basics of statistics and R I - spring	5 cr	3. period	Finnish	online teaching (not time-bound)	Materials, assignments, and guidance also in English

Mathematical sciences	MAT12002	Basics of statistics and R II	5 cr	1.8.2026-31.7.2027	Finnish, English	Examinarium exam	-
Mathematical sciences	MAT12002	Basics of statistics and R II	5 cr	2. period	Finnish English - Materials, a	online teaching (not time-bound)	-
Mathematical sciences	MAT12004	Statistical inference I	5 cr	4. period	Finnish	contact teaching	Materials, assignments, and guidance also in English
Mathematical sciences	MAT20016	Latex course	1 cr	1.-4. period	English	online teaching (not time-bound)	-
Mathematical sciences	MAT21002	Analysis IV: series	5 cr	1.8.2026-31.7.2027	Finnish, English	Examinarium exam	-
Mathematical sciences	MAT21002	Analysis IV: series	5 cr	4. period	English	Includes both contact and distance teaching	-
Mathematical sciences	MAT21014	Introduction to Logic I	5 cr	1.8.2026-31.7.2027	Finnish, English	Examinarium exam	-
Mathematical sciences	MAT21014	Introduction to Logic I	5 cr	3. period	English	online teaching (not time-bound)	-
Mathematical sciences	MAT21015	Introduction to Logic II	5 cr	1.8.2026-31.7.2027	Finnish, English	Examinarium exam	-
Mathematical sciences	MAT21015	Introduction to Logic II	5 cr	4. period	English	online teaching (not time-bound)	-
Mathematical sciences	MAT21030	Elements of set theory I	5 cr	1.8.2026-31.7.2027	English	Examinarium exam	-
Mathematical sciences	MAT21030	Elements of set theory I	5 cr	3. period	English	contact teaching	-
Mathematical sciences	MAT21031	Elements of set theory II	5 cr	4. period	English	contact teaching	-
Mathematical sciences	MAT21031	Elements of set theory II	5 cr	1.8.2026-31.7.2027	English	Examinarium exam	-
Mathematical sciences	MAT22001	Probability Ia	5 cr	1. period	Finnish	contact teaching	Materials, assignments, and guidance also in English
Mathematical sciences	MAT22002	Probability Ib	5 cr	2. period	Finnish	contact teaching	Materials, assignments, and guidance also in English
Mathematical sciences	MAT22004	Linear models I	5 cr	4. period	Finnish	contact teaching	Materials, assignments, and guidance also in English
Mathematical sciences	MAT22005	Bayesian inference	5 cr	1.8.2026-31.7.2027	English	Examinarium exam	-
Mathematical sciences	MAT22005	Bayesian inference	5 cr	3. period	English	contact teaching	-
Mathematical sciences	MAT22006	Generalized linear and additive models	5 cr	1. period	Finnish	Includes both contact and distance teaching	Materials and assignments also in English
Mathematical sciences	MAT22009	Linear models II	5 cr	2. period	Finnish	online teaching (time-bound)	Materials and assignments also in English
Mathematical sciences	MAT22010	Roots in statistics	5 cr	1.-4. period	Finnish	online teaching (not time-bound)	Materials and assignments also in English
Mathematical sciences	MAT22012	Field of work in statistics	5 cr	1.-4. period	Finnish	online teaching (not time-bound)	Materials, assignments, and guidance also in English
Mathematical sciences	MAT22013	Statistical inference Ia	5 cr	1.8.2026-31.7.2027	Finnish	Examinarium exam	-
Mathematical sciences	MAT22013	Statistical inference Ia	5 cr	2. period	Finnish	contact teaching	Materials, assignments, and guidance also in English
Mathematical sciences	MAT22014	Statistical inference Ib	5 cr	3. period	Finnish	contact teaching	Materials and assignments also in English
							Lecture notes and exercise problems are also available in English.
Physical Sciences	FYS1014	Statistical Analysis of Observations	5 cr	4. period	Finnish	Contact teaching	
Physical Sciences	FYS1016	Laboratory Exercises in Basic Studies of Physics I	2 cr	1.-2. period	English	Contact teaching	-
Physical Sciences	FYS1017	Laboratory Exercises in Basic Studies of Physics II	3 cr	3.-4. period	English	Contact teaching	-
Physical Sciences	FYS2008	Physics Intermediate Studies Laboratory Exercises I	5 cr	3. period	English	Contact teaching	Exercise group in Finnish and English
Physical Sciences	FYS2010	Mathematical Methods of Physics Ia	5 cr	1. period	English	Contact teaching	-
Physical Sciences	FYS2011	Mathematical Methods of Physics Ib	5 cr	2. period	English	Contact teaching	-
Physical Sciences	FYS2012	Mathematical Methods of Physics Ia	5 cr	3. period	English	Contact teaching	-
Physical Sciences	FYS2013	Mathematical Methods of Physics Ib	5 cr	4. period	English	Contact teaching	-
Physical Sciences	FYS2016	Electrodynamics I	5 cr	3. period	English	Contact teaching	-
Physical Sciences	FYS2017	Electrodynamics II	5 cr	4. period	English	Contact teaching	-
Physical Sciences	FYS2061	Quantum Mechanics Ia	5 cr	1. period	English	Contact teaching	-
Physical Sciences	FYS2062	Quantum Mechanics Ib	5 cr	2. period	English	Contact teaching	-
Physical Sciences	FYS2019	Quantum Statistics	5 cr	3. period	Finnish	Contact teaching	Exercises and exam also available in English
Physical Sciences	FYS2033	Introduction to Atmospheric Flow Dynamics	10 cr	1.-2. period	Finnish	Contact teaching	Course materials also available in English
Physical Sciences	FYS2045	Basics of Observational Astronomy II	5 cr	3.-4. period	Finnish and English	Contact teaching	-
							Teaching in Finnish and English, guidance also available in Swedish
Physical Sciences	FYS2055	Celestial Mechanics	5 cr	2. period	Finnish and English	Contact teaching	
Physical Sciences	FYS2071	Aerosol Physics I	5 cr	1. period	English	Contact teaching	-
Physical Sciences	FYS2076	Basic Course in Hydrology	5 cr	4. period	English	Contact teaching	-
Physical Sciences	FYS2083	Basics of Nanoscience	5 cr	1. period	English	Contact teaching	-
Physical Sciences	FYS2084	Fundamentals of Materials Science	5 cr	2. period	English	Contact teaching	-
Physical Sciences	FYS2085	Scientific Computing II	5 cr	2. period	English	Contact teaching	-
Physical Sciences	FYS2088	Introduction to molecular dynamics simulations	5 cr	1. period	English	Contact teaching	-
Physical Sciences	FYS2081	Cosmology I	5 cr	1. period	English	Contact teaching	-
Physical Sciences	FYS2029	Quantum Computing	5 cr	4. period	English	Contact teaching	-
Physical Sciences	FYS4018	Universe Now	3 cr	3. period	English	Contact teaching	-
Science	BSMA1001	Linear algebra and complex numbers	5 cr	3. period	English	Contact teaching	-

Science	BSMA1002	Calculus IA: Limits and differentiation	5 cr	1. period	English	Includes both contact and distance teaching	_
Science	BSMA1003	Calculus IB: Integration	5 cr	2. period	English	Includes both contact and distance teaching	_
Science	BSMA1004	Advanced calculus	5 cr	3. period	English	Includes both contact and distance teaching	_
Science	BSMA1006	Probability Calculus I	5 cr	3. period	English	Contact teaching	_
Science	BSMA2001	Linear algebra and matrices II	5 cr	4. period	English	Contact teaching	_
Science	BSMA2007	Differential equations	5 cr	4. period	English	Contact teaching	_
Science	BSMA2010	Series	5 cr	4. period	English	including both contact and distance teaching	_
Science	BSMA2011	Vector Analysis I	5 cr	1. period	English	Contact teaching	_
Science	BSMA2012	Vector Analysis II	5 cr	2. period	English	Contact teaching	_
Science	BSCS1001	Introduction to Programming	5 cr	1. period	English	Includes both contact and distance teaching	_
Science	BSCS1002	Advanced Course in Programming	5 cr	2. period	English	Includes both contact and distance teaching	_
							Computer Science and Bachelor's programme in
Science	BSCS1005	Introduction to Databases	5 cr	3. period	English	Includes both contact and distance teaching	Science exchange students have priority
Science	BSCS1007	Foundations of Artificial Intelligence	5 cr	3. period	English	Contact teaching	_
Science	BSCS10031	Data structures and Algorithms I	5 cr	1. period	English	Blended teaching (includes examinarium exam)	_
Science	BSCS2006	Data structures and Algorithms II	5 cr	2. period	English	Blended teaching (includes examinarium exam)	_
Science	BSCS2020	Computer and Internet	5 cr	3.-4. period	English	Contact teaching	_
Science	BSCS2004	Models of Computation	5 cr	4. period	English	Contact teaching	_
Science	BSCS2011	Programming for Performance	5 cr	4. period	English	Contact teaching	_
Science	BSPH1001	Interactions and Bodies	5 cr	3. period	English	Contact teaching	_
Science	BSPH1002	Matter and Interactions	5 cr	4. period	English	Contact teaching	_
Science	BSPH1003	Electromagnetism	5 cr	1. period	English	Contact teaching	_
Science	BSPH1004	Radiation Fields and Photons	5 cr	2. period	English	Contact teaching	_
Science	BSPH2008	Introduction to Relativity Theory	5 cr	4. period	English	Contact teaching	_
Science	BSPH2001	Basics of thermophysics	5 cr	3. period	English	Contact teaching	_
Science	BSPH2002	Thermodynamic potentials	5 cr	4. period	English	Contact teaching	_
Science	BSPH2003	Physical basis of computing	5 cr	2. period	English	Blended teaching (includes both contact and dist	_
Science	BSPH2004	Introduction to quantum physics	5 cr	2. period	English	Contact teaching	_
Science	BSPH2005	Applications of quantum physics I: atoms and molecules	5 cr	3. period	English	Contact teaching	_
Science	BSPH2006	Applications of quantum physics II: solid state and elementary particl	5 cr	4. period	English	Contact teaching	_
Science	BSPH2009	Basics of Astronomy I	5 cr	1. period	English	Contact teaching	_
Science	BSPH2010	Basics of Astronomy II	5 cr	2. period	English	Contact teaching	_
Science	BSPH2012	Statistical Mechanics	5 cr	4. period	English	Contact teaching	_
Science	BSPH2013	Analytical Mechanics	5 cr	2. period	English	Contact teaching	_
Science	BSCH1001	Atoms, Molecules and Interactions	5 cr	3. period	English	Contact teaching	_
Science	BSCH1002	Energy, Reactivity and Chemical Equilibrium	5 cr	4. period	English	Contact teaching	_
Science	BSCH1003	Organic Chemistry 1	5 cr	3. period	English	Contact teaching	_
Science	BSCH1004	Inorganic Chemistry	5 cr	2. period	English	Contact teaching	_
Science	BSCH2001	Organic Chemistry 2	5 cr	2. period	English	Includes both contact and distance teaching	_
Science	BSCH2002	Resolving structure of molecules	5 cr	1. period	English	Contact teaching	_
Science	BSCH2010	Physical Chemistry	5 cr	4. period	English	Contact teaching	_