

Degree Programme	Code	Course unit name	Scope	Period	Form of teaching / Method of completion	Other information
Bachelor's programme in Science	BSPH4001	Sustainability in Space	2 cr	1.-4. periods	Online teaching	-
Bachelor's Programme in Chemistry	KEK209	Labworks in organic chemistry 1: Qualitative analysis, p 1	5 cr	1. period	contact teaching	-
Bachelor's Programme in Chemistry	KEK225	Radiochemistry	5 cr	1. period	contact teaching	-
Bachelor's programme in Computer Science	TKT20010	Algorithms and Artificial Intelligence Project	4 cr	1. period	Blended teaching	-
					including both contact and distance teaching (aka. blended teaching)	-
Bachelor's Programme in Geosciences	GEOK3001	Geo-Python	5 cr	1. period		-
						Lectures in Finnish, exercises in Finnish and English. The course can be completed by doing exercises and exam in English. Students of geosciences are prioritized in registration.
Bachelor's programme in Geosciences	GEOK2032	Introduction to Solid Earth Geophysics	5 cr	1. period	Contact teaching	-
Bachelor's programme in Geosciences	GEOK2022	Introduction to Geochemistry	5 cr	1. period	Contact teaching	-
Bachelor's Programme in Mathematical Sciences	MAT12001	Basics of statistics and R I	5 cr	1. period	online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT11006	Calculus IA: Limits and differentiation	5 cr	1. period	online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT22001	Probability Ila	5 cr	1. period	contact teaching	-
Bachelor's Programme in Mathematical Sciences	MAT22015	Stochastic processes	5 cr	1. period	contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2010	Mathematical Methods of Physics Ia	5 cr	1. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2061	Quantum mechanics Ia	5 cr	1. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2071	Aerosol physics I	5 cr	1. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2073	Fluid Phenomena	5 cr	1. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2081	Cosmology I	5 cr	1. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2083	Introduction to nanoscience	5 cr	1. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2088	Introduction to molecular dynamics simulations	5 cr	1. period	Contact teaching	-
Bachelor's programme in Science	BSMA1001	Linear algebra and complex numbers	5 cr	1. period	Contact teaching	-
Bachelor's programme in Science	BSMA2002	Introduction to vector analysis	5 cr	1. period	Contact teaching	-
					Blended teaching (includes both contact and distance teaching)	Computer Science exchange students have priority over other exchange students.
Bachelor's programme in Science	BSCS1005	Introduction to Databases	5 cr	1. period		-
Bachelor's programme in Science	BSPH1003	Electromagnetism	5 cr	1. period	Contact teaching	-
Bachelor's programme in Science	BSCH2002	Resolving structure of molecules	5 cr	1. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS1016	Laboratory Exercises in Basic Studies of Physics I	2 cr	1.-2. period	Contact teaching	-
						Teaching language Finnish but exercises and exam also available in English. The course can be completed by doing exercises and exam in English.
Bachelor's Programme in Physical Sciences	FYS2033	Ilmakehän virtausdynamiikan perusteet	10 cr	1.-2. period	Contact teaching	-
Bachelor's programme in Computer Science	TKT200151	Computing and Society: an introduction	2 cr	1.-4. periods	Online teaching	-
Bachelor's programme in Computer Science	TKT20010	Algorithms and Artificial Intelligence Project	4 cr	2. period	Blended teaching	-
					online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT12002	Basics of statistics and R II	5 cr	2. period	online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT11007	Calculus IB: Integration	5 cr	2. period		-
Bachelor's Programme in Mathematical Sciences	MAT22002	Probability IIB	5 cr	2. period	contact teaching	-
Bachelor's Programme in Mathematical Sciences	MAT22013	Statistical inference Ila	5 cr	2. period	contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2011	Mathematical Methods of Physics Ib	5 cr	2. period	Contact teaching	-
						Teaching language Finnish but exercises and exam also available in English. The course can be completed by doing exercises and exam in English.
Bachelor's Programme in Physical Sciences	FYS2015	Statistinen mekaniikka	5 cr	2. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2062	Quantum mechanics Ib	5 cr	2. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2084	Fundamentals of Materials Science	5 cr	2. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2085	Scientific computing II	5 cr	2. period	Contact teaching	-
Bachelor's programme in Science	BSMA1002	Calculus IA: Limits and differentiation	5 cr	2. period	Contact teaching	-
Bachelor's programme in Science	BSPH1004	Radiation fields and photons	5 cr	2. period	Contact teaching	-
					Blended teaching (includes both contact and distance teaching)	-
Bachelor's programme in Science	BSPH2003	Physical basis of computing	5 cr	2. period		-
Bachelor's programme in Science	BSPH2004	Introduction to quantum physics	5 cr	2. period	Contact teaching	-
Bachelor's programme in Science	BSCH1004	Inorganic Chemistry	5 cr	2. period	Contact teaching	-
					Blended teaching (includes both contact and distance teaching)	-
Bachelor's programme in Science	BSCH2001	Organic Chemistry 2	5 cr	2. period		-
Bachelor's Programme in Chemistry	KEK207	Labworks in inorganic chemistry 1: Reactions and analytical work, p 3	5 cr	3. period	contact teaching	-
Bachelor's Programme in Chemistry	KEK208	Labworks in inorganic chemistry 2: Analysis project, p 3	5 cr	3. period	contact teaching	-
Bachelor's programme in Computer Science	TKT20016	Computing platforms	5 cr	3. period	Contact teaching	-
Bachelor's programme in Computer Science	TKT20010	Algorithms and Artificial Intelligence Project	4 cr	3. period	Blended teaching	-
						Computer Science exchange students have priority over other exchange students.
Bachelor's programme in Computer Science	TKT21026	Network programming	5 op	3. period	Contact teaching	-
Bachelor's programme in Computer Science	TKT21040	Test-Driven Development	4 cr	3. period	Online teaching	-
Bachelor's programme in Computer Science	TKT21041	Test-Driven Development: Full Stack	1 cr	3. period	Online teaching	-
Bachelor's programme in Geosciences	GEOK2023	Structural Geology	5 cr	3. period	Contact teaching	-
					online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT11008	Advanced calculus	5 cr	3. period		-
Bachelor's Programme in Mathematical Sciences	MAT11009	Basics of mathematics in machine learning I	5 cr	3. period	contact teaching	-
					online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT12001	Basics of statistics and R I	5 cr	3. period		-
Bachelor's Programme in Mathematical Sciences	MAT22005	Bayesian inference	5 cr	3. period	contact teaching	-
					online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT22104	Introduction to Logic I	5 cr	3. period		-
Bachelor's Programme in Mathematical Sciences	MAT22014	Statistical inference IIB	5 cr	3. period	contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2008	Physics Intermediate Studies Laboratory Exercises I	5 cr	3. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2012	Mathematical Methods of Physics Ila	5 cr	3. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2016	Elektrodynamics I	5 cr	3. period	Contact teaching	-
						Teaching language Finnish but exercises and exam also available in English. The course can be completed by doing exercises and exam in English.
Bachelor's Programme in Physical Sciences	FYS2019	Kvanttistatistiikka	5 cr	3. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2078	Environmental Problems, Physics and Chemistry	5 cr	3. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS4018	Universe Now	3 cr	3. period	Contact teaching	-
Bachelor's programme in Science	BSMA1003	Calculus IB: Integration	5 cr	3. period	Contact teaching	-
Bachelor's programme in Science	BSMA1004	Advanced calculus	5 cr	3. period	Contact teaching	-
Bachelor's programme in Science	BSMA1006	Probability Calculus I	5 cr	3. period	Contact teaching	-
Bachelor's programme in Science	BSMA2003	Measure and integration	5 cr	3. period	Contact teaching	-
					Blended teaching (includes both contact and distance teaching)	-
Bachelor's programme in Science	BSCS10031	Data structures and Algorithms I	5 cr	3. period		-
Bachelor's programme in Science	BSPH1001	Interactions and bodies	5 cr	3. period	Contact teaching	-
Bachelor's programme in Science	BSPH2001	Basics of thermophysics	5 cr	3. period	Contact teaching	-
					Blended teaching (includes both contact and distance teaching)	-
Bachelor's programme in Science	BSPH2005	Applications of quantum physics I: atoms and molecules	5 cr	3. period		-
Bachelor's programme in Science	BSCH1001	Atoms, Molecules and Interactions	5 cr	3. period	Contact teaching	-
Bachelor's programme in Science	BSCH1003	Organic Chemistry 1	5 cr	3. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS1017	Laboratory Exercises in Basic Studies of Physics II	3 cr	3.-4. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2045	Basics of Observational Astronomy II	5 cr	3.-4. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS4029	Introduction to emergency preparedness and response	5 cr	3.-4. period	Contact teaching	-

Bachelor's programme in Science	BSCS1006	Computer and Internet	5 cr	3.-4. period	Blended teaching (includes both contact and distance teaching)	Computer Science exchange students have priority over other exchange students.
Bachelor's Programme in Chemistry	KEK205	Biological chemistry	5 cr	4. period	contact teaching	-
Bachelor's Programme in Chemistry	KEK207	Labworks in inorganic chemistry 1: Reactions and analytical work, p 4	5 cr	4. period	contact teaching	-
Bachelor's Programme in Chemistry	KEK208	Labworks in inorganic chemistry 2: Analysis project, p 4	5 cr	4. period	contact teaching	-
Bachelor's Programme in Chemistry	KEK210	Labworks in organic chemistry 2: Synthesis, p 4	5 cr	4. period	contact teaching	-
Bachelor's Programme in Chemistry	KEK222	Computational chemistry	5 cr	4. period	contact teaching	-
Bachelor's Programme in Chemistry	KEK228	Bioinorganic chemistry	5 cr	4. period	contact teaching	-
Bachelor's programme in Computer Science	TKT200152	Computing and Society: continuation course (online)	3 cr	4. period	Online teaching	-
Bachelor's programme in Computer Science	TKT20010	Algorithms and Artificial Intelligence Project	4 cr	4. period	Blended teaching	-
Bachelor's programme in Computer Science	TKT21036	DevOps with Docker	1 cr	4. period	Distance teaching	-
Bachelor's programme in Computer Science	TKT21037	DevOps with Docker: docker-compose	1 cr	4. period	Distance teaching	-
Bachelor's programme in Computer Science	TKT21038	DevOps with Docker: security and optimization	1 cr	4. period	Distance teaching	-
Bachelor's Programme in Mathematical Sciences	MAT11015	Basics of mathematics in machine learning II	5 cr	4. period	contact teaching	-
Bachelor's Programme in Mathematical Sciences	MAT21015	Introduction to Logic II	5 cr	4. period	online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT21002	Series	5 cr	4. period	online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT12004	Statistical inference I	5 cr	4. period	contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2013	Mathematical Methods of Physics IIb	5 cr	4. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2017	Elektrodynamics II	5 cr	4. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2076	Basic course in hydrology	5 cr	4. period	Contact teaching	-
Bachelor's Programme in Physical Sciences	FYS2029	Quantum Computing	5 cr	4. period	Contact teaching	-
Bachelor's programme in Science	BSMA2001	Linear algebra and matrices II	5 cr	4. period	Contact teaching	-
Bachelor's programme in Science	BSMA2007	Differential equations	5 cr	4. period	Contact teaching	-
Bachelor's programme in Science	BSCS2004	Models of Computation	5 cr	4. period	Contact teaching	Computer Science exchange students have priority over other exchange students.
Bachelor's programme in Science	BSCS2006	Data structures and Algorithms II	5 cr	4. period	Blended teaching (includes both contact and distance teaching)	
Bachelor's programme in Science	BSCS2011	Programming for Performance	5 cr	4. period	Contact teaching	Computer Science exchange students have priority over other exchange students.
Bachelor's programme in Science	BSPH1002	Matter and interactions	5 cr	4. period	Contact teaching	-
Bachelor's programme in Science	BSPH2002	Thermodynamic potentials	5 cr	4. period	Contact teaching	-
Bachelor's programme in Science	BSPH2006	Applications of quantum physics II: solid state and elementary particles	5 cr	4. period	Contact teaching	-
Bachelor's programme in Science	B5CH1002	Energy, Reactivity and Chemical Equilibrium	5 cr	4. period	Contact teaching	-
Bachelor's programme in Computer Science	TKT21029	Functional Programming I	5 cr	all year around	Distance teaching	-
Bachelor's programme in Computer Science	TKT21030	Functional Programming II	5 cr	all year around	Distance teaching	-
Bachelor's programme in Computer Science	TKT21018	Elements of AI: Introduction to AI	2 cr	all year around	Online teaching	-
Bachelor's programme in Computer Science	TKT210281	Elements of AI: Building AI - Intermediate	1 cr	all year around	Online teaching	-
Bachelor's programme in Computer Science	TKT210282	Elements of AI: Building AI - Advanced	1 cr	all year around	Online teaching	-
Bachelor's programme in Computer Science	TKT21031	Ethics of AI	2 cr	all year around	Online teaching	-
Bachelor's programme in Computer Science	TKT21039	Core 5G and Beyond	2 cr	all year around	Online teaching	-
Bachelor's programme in Computer Science	TKT200091	Cyber Security Base: Introduction to Cyber Security	1 cr	all year around, excluding January	Will be specified later	-
Bachelor's programme in Computer Science	TKT200092	Cyber Security Base: Securing Software	3 cr	all year around, excluding January	Will be specified later	-
Bachelor's programme in Computer Science	TKT200093	Cyber Security Base: Course Project I	1 cr	all year around, excluding January	Will be specified later	-
Bachelor's programme in Science	BSCS1001	Introduction to Programming	5 cr	Lectures in period 1, other times on own pace	online teaching (not time-bound)	-
Bachelor's programme in Science	BSCS1002	Advanced Course in Programming	5 cr	Lectures in period 2, other times on own pace	online teaching (not time-bound)	-
Bachelor's programme in Computer Science	TKT20010	Algorithms and Artificial Intelligence Project	4 cr	May-June	Blended teaching	-
Bachelor's Programme in Mathematical Sciences	MAT12001	Basics of statistics and R I	5 cr	summer (June-September 2026)	online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT12002	Basics of statistics and R II	5 cr	summer (June-September 2026)	online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT12005	Project in Data-Analysis, August-September	5 cr	summer (June-September 2026)	online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT12005	Project in Data-Analysis, May-June	5 cr	summer (June-September 2026)	online teaching (not time-bound)	-
Bachelor's Programme in Chemistry	KEK209	Labworks in organic chemistry 1: Qualitative analysis, summer	5 cr	summer teaching (May-August 2026)	contact teaching	-
Bachelor's Programme in Chemistry	KEK210	Labworks in organic chemistry 2: Synthesis, summer	5 cr	summer teaching (May-August 2026)	contact teaching	-
Bachelor's Programme in Mathematical Sciences	MAT22012	Field of work in Statistics	5 cr	whole year	online teaching (not time-bound)	-
Bachelor's Programme in Mathematical Sciences	MAT22010	Roots in Statistics	5 cr	whole year	online teaching (not time-bound)	-