

Sustainable Urban Development Bachelor's Programme curriculum (2021-24)

Study Modules & Course Units	Course code	Credits	For Whom
Joint Studies 35 cr			
Introduction to Sustainable Urban Development	SUD.001	5	All SUD students
Climate.Now	FYS.402	5	All SUD students
Urban Economics	SUD.010	5	All SUD students
Programming 1: Introduction	COMP.CS.100	5	Technology
Digital Skills, Theme 1: Information technology environment at the University	COMP.CS.011	1	Social & Administrative Sciences
Digital Skills, Theme 2: Managing and visualizing tabular data	COMP.CS.012	1	Social & Administrative Sciences
Digital Skills, Theme 3: Processing text and images, and publishing online	COMP.CS.013	1	Social & Administrative Sciences
Elements of Artificial Intelligence (EAI)	EAI internet course	2	Social & Administrative Sciences
Academic Writing A	LANG.ENG.011	3	All SUD students
Developing Internationalization Through Intercultural Communication	LANG.ICC.001	2	All SUD students
Finnish 1	LANG.SUV.001	3	non-Finnish-speakers
Finnish 2	LANG.SUV.002	2	non-Finnish-speakers
Finnish 3	LANG.SUV.003	3	non-Finnish-speakers
Finnish 4	LANG.SUV.004	2	non-Finnish-speakers
Working Life in Swedish (the second official language)	LANG.RUO.001	3	native Finnish speakers
Other language and communication studies		7	native Finnish/Swedish speakers
Basic Studies 50 cr			
Empirical Social Research	YKT.103	5	All SUD students
Qualitative Research Methods	SSR.COSOP.100	5	All SUD students
Quantitative Research Methods	SSR.COSOP.090	5	All SUD students
Vectors and Matrices	MATH.MA.140	5	Technology
Introductory Calculus	MATH.APP.111	5	Technology
Differential and Integral Calculus	MATH.APP.160	5	Technology
Introduction to Probability and Statistical Inference	MATH.APP.210	5	Technology
Physics 1	FYS.111	5	Technology
Physics 2	FYS.112	5	Technology
Chemistry for Engineers 1	KEM.150	5	Technology
Politics of Sustainable Development	HAL.SUD.110	5	Social & Administrative Sciences
Introduction to Social Research	YKT.101	5	Social & Administrative Sciences
Urban Planning and Design II	ARK.YS.210	5	Social & Administrative Sciences
Social Order and Imagination	YKT.200	5	Social Sciences
Social Scientific Research and Academic Writing	YKT.105	5	Social & Administrative Sciences
Optional Studies (Social Sciences) CHOOSE 10 cr			
Youth Work and Youth Studies: Key Ideas and Discussions	YKT.210	5	Social Sciences
Social Anthropology: Thought, Reasoning and Reflection	YKT.211	5	Social Sciences
Introduction to Social Policy	YKT.212	5	Social Sciences
Social Psychology: Thought, Reasoning and Reflection	YKT.213	5	Social Sciences
Sociology: Thought, Reasoning and Reflection	YKT.214	5	Social Sciences
Gender Studies: Theories and Concepts	YKT.215	5	Social Sciences
Optional Studies (Administrative Sciences) CHOOSE 15 cr			
Research on Public Management and Organizations	HAL.HATI.307	5	Administrative Sciences
Managing Urban Complexities	HAL.KAJO.314	5	Administrative Sciences
Introduction to Public Administration Research, Reforms and Trends	LFC.GOV.310	5	Administrative Sciences
Specified Intermediate Courses: Book Exam A	HAL.SUD.242	5	Administrative Sciences
Specified Intermediate Courses: Book Exam C	HAL.SUD.244	5	Administrative Sciences
Intermediate Studies in SUD 70 cr			
Global in the Local, Local in the Global	YKT.220	5	All SUD students
Politics and Participation	YKT.225	5	All SUD students
Economic Renewal of Cities and Regions	HAL.KAJO.214	5	All SUD students
Organisational Change Dynamics and Management	HAL.HATI.215	5	All SUD students
Engineering Geology	RAK.IN.110	5	All SUD students
Introduction to Transport Systems	RAK.LI.210	5	All SUD students
Water Services in Urban Settings	RAK.220	5	All SUD students
Urban Physics	RAK.210	5	All SUD students
Urban Lab 1: Living with the City	SUD.200	10	All SUD students
Urban Lab 2: Planning Policy and Infrastructure	SUD.210	10	All SUD students
Bachelor's Thesis and Seminar	SUD.290	10	All SUD students
Maturity Test in Finnish in Bachelor's Degree	TAU.KN.010	0	All take whether TAU.KN.010 OR .020 OR .030
Maturity Test in Swedish in Bachelor's Degree	TAU.KN.020	0	All take whether TAU.KN.010 OR .020 OR .030
Maturity Test in English in Bachelor's Degree	TAU.KN.030	0	All take whether TAU.KN.010 OR .020 OR .030
Free Choice Studies 25 cr			
Engineering for Sustainable Urban Development (Technology) 20 cr			
Construction Management	RAK.TA.270	5	Technology
Real Estate Development	RAK.TA.420	5	Technology
Building Information Modeling and Surveying	RAK.TA.120	5	Technology
Design of Roads and Streets	RAK.IN.230	5	Technology
Elective Studies (Technology)		5	Technology
Elective Studies (Social Sciences) CHOOSE 25 cr			
Elective Studies (Administrative Sciences) CHOOSE 25 cr			