

Study programmes	Engineering systems
Education classification code	41582
Level of study	Level 1 professional higher education
Duration of the programme	3 years
Scope of study	120 credit points
Type of studies	full-time day, evening
Previous education	general secondary or vocational secondary
Classification to be obtained	engineering systems construction manager (classification level 4, PC 1323 07)
Further education	RTU Faculty of Civil Engineering
Accreditation of the study field	Architecture and Construction (until 10 April 2023 , accr. to page No. 36)

Year 1	40	CT	2	40	CT	3	40	CT
General study courses	10	CT	General study courses	7	CT	General study courses	4	CT
Industry training courses	28	CT	Industry training courses	19	CT	Industry training courses	14	CT
Optional courses	0	CT	Optional courses	1	CT	Optional courses	0	CT
Internship	2	CT	Internship	13	CT	Internship	12	CT
Qualification work		CT	Qualification work		CT	Qualification work	10	CT
General study courses	10	CT	General study courses	7	CT	General study courses	4	CT
Higher mathematics	5	CT						
Technical foreign language	2	CT	Technical foreign language	2	CT	Technical foreign language	1	CT
Psychology of business relationships	1	CT	General electrical and electronic engineering	2	CT			
Economy, Entrepreneurship	1	CT	Economy, Entrepreneurship	1	CT	Psychology of management	2	CT
Engineering graphics (drafting)	1	CT	Ecology and environmental protection	1	CT	Ecology and environmental protection	1	CT
			Civil Protection	1	CT			
Industry training courses	28	CT	Industry training courses	19	CT	Industry training courses	14	CT
Water supply	3	CT	Water supply	2	CT	Building Economics	2	CT
Waste water discharge	3	CT	Waste water discharge	2	CT	BIM planning (Building Information Management)	2	CT
Computer graphics (AutoCAD, Revit)	2	CT	Computer graphics (AutoCAD, Revit)	1	CT	Maintenance and operation of engineering systems	1	CT
Thermophysics of construction	1	CT	Thermophysics of construction	1	CT			
Hydrodynamics and aerodynamics	2	CT	Hydrodynamics and aerodynamics	1	CT			
Innovation and research in construction	1	CT	Innovation and research in construction	1	CT			
Technical thermodynamics	2	CT	BIM Foundation Course	1	CT	BIM in construction processes	2	CT
Water chemistry of engineering systems	1	CT	Heating	2	CT	Heating	2	CT
Theoretical mechanics	2	CT	Ventilation	2	CT	Ventilation	2	CT
Resistance of materials	2	CT	Gas supply	2	CT			
Material training	2	CT	Computer graphics for engineering systems	2	CT	Computer graphics for engineering systems	1	CT
Flow mechanics	2	CT	Quality assurance in construction	2	CT	Energy efficiency in buildings	1	CT
Construction of buildings and structures	2	CT				Labour protection	1	CT
Geodesy	1	CT						
Regulatory framework for construction	1	CT						
Engineering Geology	1	CT						
Optional courses	0	CT	Optional courses	1	CT	Optional courses	0	CT
			Fundamentals of project management	1	CT			
			Business plan	1	CT			
Internship	2	CT	Internship	13	CT	Internship	12	CT
Internship in workshops	1	CT	Internship in workshops	1	CT	Internship in workshops	1	CT
Geodesy practice	1	CT	Traineeship in construction supervision	2	CT	Computer aided design	1	CT
			Traineeships	10	CT	BIM in construction	2	CT
						Undergraduate internship	8	CT
Qualification work	0	CT	Qualification work	0	CT	Qualification work	10	CT
						Diploma project	10	CT