

Study programme "Urban and Regional Engineering Economics"

Main attributes

Title	Urban and Regional Engineering Economics
Identification code	IGY0
Education classification code	47311
Level and type	Professional Master (Second Cycle) Studies
Higher education study field	Economics
Head of the study field	Ilze Judrupa
Department responsible	Faculty of Engineering Economics and Management
Head of the study programme	Armands Auziņš
Professional classification code	
The type of study programme	Full time, Extramural
Language	Latvian
Accreditation	16.06.2021 - 17.06.2027; Accreditation certificate No 2021/20
Variant 1	
Volume (credit points)	60.0
Duration of studies (years)	Full time studies - 1,5; Part time studies - 2,0
Degree or/and qualification to be obtained	Professional Master Degree in Economics / –
Qualification level to be obtained	The 7th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF)
Programme prerequisites	Professional bachelor degree and/or sixth (fifth*) qualification in economics, management and administration, accounting and taxation, financial engineering sectors, or other recognizable education
Variant 2	
Volume (credit points)	60.0
Duration of studies (years)	Full time studies - 1,5; Part time studies - 2,0
Degree or/and qualification to be obtained	Professional Master Degree in Economics / –
Qualification level to be obtained	The 7th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF)
Programme prerequisites	Professional bachelor degree and/or sixth (fifth*) qualification in architecture and urban planning, civil engineering sectors, or other recognizable education

Description

Abstract	<p>The study programme envisages the training of specialists for the planning and governance of the territorial economic development. Consequently, they have to comprehend ongoing processes in the field of regional and urban economic and development. The programme includes study courses in the field of economics, finances and engineering accordingly to the specialization in Regional or Urban economics</p> <p>compulsory theoretical courses in the field of economics: microeconomic and macroeconomic analysis and economic analysis methods. The courses of limited choice are chosen according to the students' direction of specialization: Regional Economy and Urban Economics.</p>
Aim	To provide students with the Master's level knowledge in the field of regional and urban development; to train socially responsible and highly qualified specialists, whose knowledge in economic and engineering, skills and competences will allow them to make engineering and technical well-founded economic decisions, to plan and coordinate the processes of territorial economic development and governance, as well as conduct scientific research.
Tasks	<p>The objectives of the study programme are the following:</p> <ul style="list-style-type: none"> - to enable students to obtain the professional Master's degree in economics; - to organize the study process with the aim to develop students' knowledge and skills, to promote their use in the study process and in further practical work; - to foster students' analytical skills, to promote acquisition and development of scientific research skills; - to create the necessary preconditions for training competitive specialists for the Latvian and international labour market; - to develop students' abilities in the systematic application of knowledge and skills necessary to address complex economic problems about micro- and macroeconomics, regional and urban economics; - to develop students' skills to formulate aims and objectives, to take socially and ethically responsible decisions related to the ongoing economic processes in the world; - to provide students with an opportunity to continue their education at the Doctoral programs after receiving the Master's degree.

Learning outcomes	<p>Upon successful completion of the programme the graduates are able:</p> <ul style="list-style-type: none"> - to demonstrate an understanding of the organizational principles of urban development planning and regional development assessment criteria and methods; - to demonstrate an understanding of the issues of economic development and national economic policy; - to carry out economic calculations/feasibility studies related to sustainable development of towns and regions; - to demonstrate an understanding of the factors of economic development regionally, as well as to identify and eliminate potential risks; - to demonstrate an understanding of the planning and maintenance of engineering infrastructure in urban and rural areas, as well as traffic flow planning principles; - to assess the impact of social and political processes on urban and regional development; - to plan, implement and evaluate the budgetary process at a local and regional level; - to implement “green economy” policies for sustainable development of regions and towns; - to carry out scientific research in the field of territorial development and to justify the advantages or disadvantages of particular decisions; - to formulate aims and tasks and to take socially and ethically responsible decisions related to the territorial development; - to work out and implement national and international projects; - to creatively interact with clients, merchants, professionals and other parties and to work in interdisciplinary teams.
Final/state examination procedure, assessment	<p>The elaboration and defence of the master thesis is the final stage before receiving the Master’s Degree. The tasks of the master thesis are the following:</p> <ul style="list-style-type: none"> - to train students to analyse topical problems and independently select research methods and scientific literature appropriate for the elaboration of the master thesis; - to enable students to formulate the research question and solve problems within the framework of research, - to train students to elaborate practical solutions in the form of recommendations and proposals; - to develop and enhance students’ independent scientific research skills and capabilities to defend their scientific and practical results obtained in the research. <p>Master thesis is defended at an open meeting of the State Examination Commission, which is appointed by the Rector of RTU and is composed of no less than 51% of employers’ representatives. Before the defence, master theses are evaluated by reviewers appointed by the Dean of the Faculty of Engineering Economics and Management.</p>
Description of the future employment	<p>The study programme includes study courses in economics, management science and engineering. Students are prepared to work in any company or institution of the national economy, the activities of which are related to the field of territorial development planning, therefore they must understand issues related to urban development, its economy, infrastructure and also social problems. Graduates of the study programme can hold positions in state, municipal and international institutions, commercial companies and non-governmental organizations.</p>
Special enrollment requirements	No specific regulations.
Opportunity to continue studies	Doctoral studies.

Courses

No	Code	Name	C.p. [1]	C.p. [2]
A		Compulsory Study Courses	14.0	14.0
1	IET506	Macroeconomic Analysis	3.0	3.0
2	IET504	Microeconomic Analysis	3.0	3.0
3	IEU509	Methods of Economic Analysis	3.0	3.0
4	IRE718	Regional Management	5.0	5.0
B		Compulsory Elective Study Courses	20.0	20.0
B1		Field-Specific Study Courses	20.0	20.0
1	IBO440	Socio-economic Analysis, Planning and Organization of Regional Development	4.0	
2	IBO444	Regional Finance	3.0	
3	IRE304	Management of Municipalities	2.0	
4	AAP706	Sustainable Development of Spatial Environment	2.0	
5	IRE404	Current Trends of the European Union Economic Policy	2.0	2.0
6	IRE707	Urban Economics and Social Environment	4.0	4.0
7	IRE401	Regional Infrastructure	3.0	3.0
8	EAS738	Sustainable Development of Energy Supply	3.0	3.0
9	IRE307	EU Co-financed Project Management		2.0
10	IUV456	Accounting and Finances		2.0
11	AAR704	Architectural Sociology	2.0	2.0
12	IRE708	Urban Socio-economic Development Planning (study project)	2.0	2.0
13	ITA706	Territorial Marketing	2.0	2.0
D		Practical Placement	6.0	6.0
1	ITA703	Practical Placement	6.0	6.0
E		Final Examination	20.0	20.0
1	IRE002	Master Thesis	20.0	20.0
K.p.[*] kredītpunkti studiju programmas variantā				