



VILNIUS COLLEGE OF TECHNOLOGIES AND DESIGN

Transport Logistics

Faculty: Civil Engineering Faculty

State Code: 6531LX036

The Scope of the Study Programme: 180 credits

Duration of Studies: 3 years

General Description:

Objective(s) of a study programme:

To prepare logistics specialist being able to manage the processes of freight and passenger transportation, logistics chain activity and logistics processes management information flows, apply logistics activity legislation; being able to organize activity of transport/logistics companies/business units; operate individually and creatively in changing business conditions.

Learning outcomes:

Knowledge and its application:

Will know the theories of fundamental outlook and humanities, principles and methods of business organisation in the changing environment of scientific and technological innovation. Will have knowledge of rules in economics, of management lines of business, management functions. Will be knowledgeable of logistics management processes and methods. Will know the essence and principles of international transportation. Will know the principles of statistics, of marketing, and of sales management. Will apply knowledge of law in national and international logistics.

Competences to carry out research:

Will be able to analyse data, for transport market investigation, estimating the demand of logistics services, optimising the number of supply chains, amount of stock, expenditure for warehousing and transportation. Will be able to apply quantitative and qualitative research methods, generalise research results, presenting possible solutions.

Special skills:

Will manage freight and passenger transportation processes, will ensure material supply, quality and control. Will manage supply, purchase and sales, warehousing and distribution processes, while optimizing the number of supply chains, the number of stocks and warehousing costs. Will use information technologies to manage flows of logistics information. Will be able to organise international transportation. Will organise activity of a company/headquarter, to assess

transport/logistic business surroundings and market tendencies. Will analyse the ongoing logistics/transportation processes, identify the existing problems and see prospects.

Social skills:

Will be able to assess logistical decisions ethically, socially, economically and in terms of safety. Will be able to communicate in correct Lithuanian and foreign language.

Personal skills:

Will be able to analyse critically, provide arguments, discuss in a team orally in a written form or using other means of communication. Will apply methodological principles for business communication, negotiations and conflict management. Will apply individual and team based methods for decision making. Will comprehend the importance for professional development, the importance of lifelong learning and will prepare for it.

Activities of teaching and learning:

Lectures, consultations, practical tasks and course papers, individual work, practices of professional activities. Students accomplish practical tasks individually or in groups.

Methods of assessment of learning achievements:

The student's knowledge, skills and abilities acquired while studying subjects of a study programme are assessed after completing of individual assignments performed during the semester and exam session. The achieved learning outcomes after completion of subject/module studies are assessed attributing them to the levels of achievement: excellent, typical and threshold.

Framework:

Study subjects (modules), practical training:

General College Study Subjects:

Foreign Language, Contemporary Lithuanian, Environmental and Human Safety and alternatively optional subjects (Sociology, Psychology, Philosophy – selected one of them).

Subjects and Modules of Study Area:

Business Mathematics, Statistics, Information Technologies, Computer Graphics, Microeconomics, Fundamentals of Business, Management, Law, Marketing and Sales Management, Financial Accounting and Audit, Quality Management in Transport, System of Transport, Means of Transport, Macroeconomics, Freight and Passengers Transportation, Information Systems in Logistics, Transport Economics, Transport Management and Business Organization, Logistics, Legal Regulation of Transport Activities and Activities of Customs, Design Management, Forwarder and Insurance, Warehouses and Terminals, alternatively optional modules: Transport Management (module subjects: Organization and Management of Freight Transportation, Organization and Management of Passengers Transportation, Multimodal Transportation), Management of Logistics Processes (module subjects - Control of Logistics Processes, Supply Circuit Management, Management of Warehouse Processes) – selected one of them).

Special Study Subjects:

Applied Research, optional subjects by choice of students (Psychology of Professional Communication, Transport Geography, Business Foreign Language (English, French), EU Transport Policy, Business Foreign Language (German, Russian), Personnel Management, Business Communication, Document Management, Green Logistics – selected three of them).

Practices:

Cognitive Practice, Practice of Acquiring Logistics Skills, Industrial Practice, Final Practice.

Completion of Studies:

Studies are completed by defending the Final work individually prepared by a student.

Distinctive features of a study programme:

The study programme is designed to prepare specialists who understand logistics processes that take place in logistics/transport companies and the activities related with them, who can assess, plan and organise logistic activity in contemporary business environment. The course aims to consistently develop skills to make timely decisions of business optimisation that are linked to logistic activities both in and out of the company. While applying legal norms of local distribution and of international logistics, graduates will be able to organise and plan processes of provision, purchasing, sales and warehouse distribution, processes of freight and passenger transportation, activities of logistics chain and information flows of logistics processes management. The programme emphasises fields of future logistics: green logistics, e-logistics

Access to professional activity or further study:

Graduate will be able to work in Lithuanian and foreign transport/logistics enterprises/divisions, establish his/her logistics company, participate in the projects of transport and logistics sectors. Graduate can continue his/her studies having chosen university study programmes in the field of Business and Administrative studies.