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Study programme "Logistics and Supply Chain Security"

Main attributes

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| Title | Logistics and Supply Chain Security |
| Identification code | CGH0 |
| Education classification code | 47840 |
| Level and type | Professional Master Study |
| Higher education study field | Transport Services |
| Head of the study field | Ingūna Jurgelāne-Kaldava |
| Department responsible | Faculty of Engineering Economics and Management |
| Head of the study programme | Ingūna Jurgelāne-Kaldava |
| Professional classification code | 1213 07 |
| The type of study programme | Full time |
| Language | Latvian, English |
| Accreditation | 25.10.2023 - 31.12.2024; Accreditation certificate No 2023/11-SPI |
| Variant 1 | |
| Volume (credit points) | 40.0 |
| Duration of studies (years) | Full time studies - 1,0 |
| Degree or/and qualification to be obtained | Professional master degree in supply chain management / supply chain manager |
| Qualification level to be obtained | The 7th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF); the 7th level of professional qualification |
| Programme prerequisites | Professional bachelor degree in business logistics and professional qualification of logistics manager or comparable education |
| Variant 2 | |
| Volume (credit points) | 60.0 |
| Duration of studies (years) | Full time studies - 1,5 |
| Degree or/and qualification to be obtained | Professional master degree in supply chain management / supply chain manager |
| Qualification level to be obtained | The 7th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF); the 7th level of professional qualification |
| Programme prerequisites | Professional bachelor degree and/or first cycle professional higher education in commercial sciences and administration, economics, law, engineering and technology, manufacturing and processing or construction thematic areas or comparable education |
| Variant 3 | |
| Volume (credit points) | 80.0 |
| Duration of studies (years) | Full time studies - 2,0 |
| Degree or/and qualification to be obtained | Professional master degree in supply chain management / supply chain manager |
| Qualification level to be obtained | The 7th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF); the 7th level of professional qualification |
| Programme prerequisites | Bachelor degree in natural sciences, engineering, environmental sciences, economics, management science and administration or comparable education |

Description

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| Abstract | According to the demands of the global labour market, the study programme is designed to train senior supply chain managers, department managers, and/or business managers. The study approach places the most emphasis on enhancing professional and practical competencies based on scientific accomplishments, theoretical knowledge, and industry-specific details. In order to improve the use of professional terminology in the development of international business and successful collaboration with structures, institutions, organizations, and enterprises of other countries, the study courses are implemented in English while taking into account the specifics of the industry. The implementation of the learning process involves university academic staff, industry representatives, and highly qualified practitioners of the field, whose primary work and practical experience have evolved in companies and institutions in the field. |
| Aim | The aim of the study programme is to increase students' professional competence for employment in the fields of logistics, supply chain management, and its security. It also aims to equip students with the research skills necessary to prepare specialists who can guarantee high quality throughout all supply chain processes as well as an understanding of the supply chain's effects on the environment and responsible management. |

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| Tasks | <p>The tasks of the study programme are:</p> <ul style="list-style-type: none"> - to provide competitive education at international level in the fields of logistics and supply chain security in line with the requirements of the master's level, profession standard qualification and international standards; - to provide students with comprehensive knowledge, to develop analytical thinking, to develop skills and competences, as well as to promote practical work skills, preparing students for the labour market; - to ensure the development and improvement of the content of the study program, the study process as well as the scientific research work in accordance with international practice and the latest software, scientific and technological discoveries and innovative methods; - to stimulate students' interest in further professional development and improvement of academic knowledge, to continue their studies at doctoral level, in-service training, as well as to develop interest in research work and to promote the use of these skills; - to encourage cooperation between students and academic staff in the field of scientific research, the practical application of the results of the research both in the study process and in practice, and to encourage international mobility and participation in local and international projects; - to stimulate students' interest in social processes and to develop ethical and socially responsible personalities. |
| Learning outcomes | <p>Study programme graduates are:</p> <ul style="list-style-type: none"> - able to determine the organization's supply chain management strategy depending on the specifics of the activity; - able to analyse the globalization and specialization trends of production, trade and transportation and determine the main KPIs of the supply chain; - able to organize supply chain management and control in accordance with the organization's strategy; - able to improve the supply chain process, looking for possible solutions; - able to identify and eliminate weak points in supply chain management processes; - able to monitor the operation of the security risk management system of the established supply chain; - able to work both individually and in a team, using his knowledge and skills, and is also able to take responsibility for the results of his work and the decisions made; - able to carry out independent research with scientific and practical value in the field of logistics and supply chain security, to defend and present his / her opinion in a reasoned way. |
| Final/state examination procedure, assessment | <p>The study programme concludes with the state examination, one part of which is defence of the master thesis. In their master theses and during the defence process, the students demonstrate their skills in:</p> <ul style="list-style-type: none"> - the identification, classification and analysis of academic, scientific and professional literature, data and information sources, including sources in foreign languages; - the solution of problems revealed in the process of analysis, as well as in drawing economically sound conclusions; - the usage and application of appropriate research methods and technical means to analytically evaluate processes, economic performance, industry data, development prospects in the spheres of logistics and supply chain security within an enterprise (organization) or the state; - the development of a project based on arguments, calculations and practical experience for significant and current problem solution in an enterprise (organization), or for the development of a particular sector; - presenting research findings and defending their personal and professional point of view. |
| Description of the future employment | <p>The supply chain manager defines the organisation's overall supply chain management strategy, its management and control, leads the team of employees involved in the supply chain, is responsible for improving the processes of the entire supply chain (covering all processes in the supply chain, from the extraction of raw materials and the production of final products to their distribution to the final consumer, t.sk. including the use of information systems necessary for the coordination of these activities, environmental protection, etc.), through innovation and technological innovation in the operation of the supply chain. Graduates of the study programme will work in companies engaged in logistics, international and domestic cargo or passenger transportation, wholesale, retail, production and provision of services, as well as in state and municipal institutions whose activities are related to the transport and / or logistics sector or provide for the management and organization of logistics services.</p> |
| Special enrollment requirements | English language proficiency equivalent to at least CEFR B2 level. |
| Opportunity to continue studies | Doctoral studies. |

Courses

| No | Code | Name | C.p. [1] | C.p. [2] | C.p. [3] |
|-----------|--------|--|-------------|-------------|-------------|
| A | | Compulsory Study Courses | 6.0 | 12.0 | 12.0 |
| 1 | IĀS706 | Global Markets and Supply Chains | 2.0 | 2.0 | 2.0 |
| 2 | DMI757 | Logistics Systems Management | 2.0 | 2.0 | 2.0 |
| 3 | IMP746 | Customs and Security Processes in Supply Chains | 2.0 | 2.0 | 2.0 |
| 4 | IĀS740 | Global Markets and Supply Chains (study project) | | 2.0 | 2.0 |
| 5 | IĀS723 | Methodology of Statistic Data Processing and Analysis | | 4.0 | 4.0 |
| B | | Compulsory Elective Study Courses | 6.0 | 20.0 | 20.0 |
| B1 | | Field-Specific Study Courses | 6.0 | 20.0 | 20.0 |
| 1 | IKI761 | Quality and Environmental Management | 2.0 | 2.0 | 2.0 |
| 2 | IĀS751 | Supply Chain Strategy Management | 2.0 | 2.0 | 2.0 |
| 3 | IĀS511 | Globalization and Integration Processes in the World Economy | 2.0 | 2.0 | 2.0 |
| 4 | IĀS701 | International Business | 2.0 | 2.0 | 2.0 |
| 5 | ITE448 | Global Logistics and Transport | 4.0 | 4.0 | 4.0 |
| 6 | IĀS516 | International Business (study project) | | 2.0 | 2.0 |
| 7 | IĀS743 | Management of International Transportation | | 4.0 | 4.0 |
| 8 | IĀS744 | Management of International Transportation (study project) | | 2.0 | 2.0 |
| 9 | IĀS745 | Business Logistics | | 2.0 | 2.0 |
| C | | Free Elective Study Courses | 2.0 | 2.0 | 2.0 |
| D | | Practical Placement | 6.0 | 6.0 | 26.0 |
| 1 | IĀS746 | Internship | 6.0 | 6.0 | 6.0 |
| 2 | IĀS752 | Internship | | | 20.0 |
| E | | Final Examination | 20.0 | 20.0 | 20.0 |
| 1 | IĀS748 | Master Thesis | 20.0 | 20.0 | 20.0 |

K.p.[] kredītpunkti studiju programmas variantā*