



RIGA AERONAUTICAL INSTITUTE

9 Mežkalna street, Riga, LV-1058

(+371)67677831; 29571158

rai.lv@ml.lv

STUDY DIRECTION **MECHANICS**



AIR TRANSPORT SYSTEMS MANAGEMENT AND OPERATION

**Professional Bachelor's degree in Air transport
system management and operation**

Qualification: Aircraft Technical Maintenance Engineer
Study period: 4 - 4.5 years

- ✓ Aerodynamics
- ✓ Navigation
- ✓ Aircraft flight operation
- ✓ Theory and operation of aviation engines
- ✓ Aviation electronics and electrical equipment
- ✓ PPL, CPL, ATPL licenses



AIRCRAFT TECHNICAL MAINTENANCE

Professional Bachelor's degree in Aviation

Qualification: Aircraft Technical Maintenance Engineer
Study period: 4 - 4.5 years

- ✓ Theoretical mechanics
- ✓ Maintenance and repair of aircraft
- ✓ Aviation materials and technology
- ✓ Aircraft technical maintenance organization
- ✓ Airplane structure and systems
- ✓ Aviation legislation
- ✓ Computer aided design and information technology
- ✓ EASA compliant type training course in the frame of Part-147 organisation
- ✓ The program meets the EASA Part-66 requirements



TRANSPORT SYSTEMS MANAGEMENT

**Professional Master's degree
in Transport systems**

Study period: 1.5 - 2 years

- ✓ Modern management systems
- ✓ Transport processes modeling
- ✓ Information technologies in transport systems
- ✓ Commercial activity in transport systems
- ✓ Human factors and risk management in transport systems



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STUDY DIRECTION **ELECTRONICS**



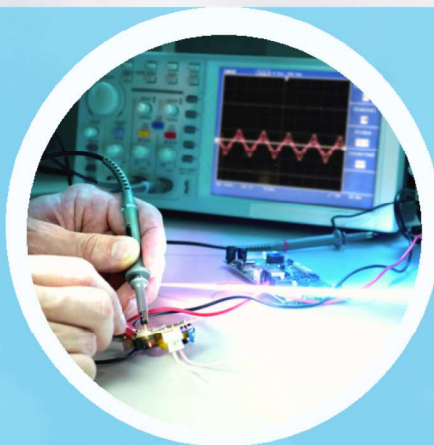
AIRPORT ELECTRONIC EQUIPMENT MAINTENANCE

Professional Bachelor's degree in Electronic Equipment Maintenance

Qualification: Electronics Engineer

Study period: 4 - 4.5 years

- ✓ Communication systems, operation and maintenance
- ✓ Surveillance systems, operation and maintenance
- ✓ Navigation systems, operation and maintenance
- ✓ Air traffic management and control systems, operation and maintenance
- ✓ Airport ground electronics systems, operation and maintenance
- ✓ Future development – technologies and systems



ELECTRONIC EQUIPMENT MAINTENANCE

Professional Bachelor's degree in Electronic Equipment Maintenance

Qualification: Electronics Engineer

Study period: 4 - 4.5 years

- ✓ Basics of robotics
- ✓ Programming
- ✓ Digital equipment and microprocessors
- ✓ Architecture of computing systems and equipment
- ✓ Construction and maintenance of computer networks
- ✓ Remote monitoring and control equipment, its maintenance and repair



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STUDY DIRECTION **TRANSPORT SERVICES**



AIR TRAFFIC CONTROL

Professional Bachelor's degree in Air traffic management (ATC officer)

Qualification: Enterprise Manager
Study period: 4 - 4.5 years

- ✓ ATC procedures and operations
- ✓ Aviation meteorology
- ✓ Navigation
- ✓ Professional aviation english
- ✓ ATC equipment and systems
- ✓ EASA compliant professional initial training course (Basic + Rating)



INTERNATIONAL TRANSPORT LOGISTICS

Professional Bachelor's degree in International transport logistics

Qualification: Logistics Manager
Study period: 4 - 4.5 years

- ✓ Transport logistics
- ✓ Transport economics and systems
- ✓ Management of transport
- ✓ Logistics center management
- ✓ Transport business
- ✓ Customs operations organization



INTERNATIONAL TRANSPORTATION ENTERPRISE MANAGEMENT

Professional Bachelor's degree in International transportation enterprise management

Qualification: Enterprise Manager
Study period: 4 - 4.5 years

- ✓ Strategic management and innovation
- ✓ Entrepreneurship activity
- ✓ Transport marketing
- ✓ Finance management
- ✓ Human resource management
- ✓ International transport law



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BUSINESS MANAGEMENT OF INTERNATIONAL TRANSPORT

Professional Master's degree in International transportation enterprise management

Study period: 1.5 - 2 years

- ✓ Global logistics
- ✓ International project management
- ✓ Transport systems
- ✓ Risk management
- ✓ International human resources management



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