

COURSE CURRICULUM: LOGISTICS ENGINEERING BSc PROGRAM

(subjects)

Fundamentals of Physics

Fundamentals of Mathematics

Analysis 1

Material science

Physics

Chemistry

Analysis 2

Fundamentals of mechanical engineering

Thermodynamics and fluid mechanics

Technical mechanics

Technical drawing

Probability theory and statistics

Economics

Work safety, safety engineering

Technical language I

Management

Technical language II

Environmental protection

Quality management

Business and information communication

Vehicles and mobile machines

Mechanical engineering technologies

Structure, components and operation of vehicles and logistics machines

Basic logistics

Transversal I: Me as a logistics specialist

Supply chain management

Transversal II: Procurement negotiation techniques

Customs procedures, transport and logistics law

Logistics networks

Optimization and simulation

Information technology

Electrical engineering and electronics

Control engineering

Control engineering laboratory/Computer-Aided Design (CAD)

Logistics material handling and transport equipment

Integrated enterprise management systems

Industrial process tracking systems

International freight forwarding and shipping

Warehousing logistics

Logistics case studies and practical projects

Internship

5 elective subjects from a given list

Thesis writing 1 and 2

Production systems

Production management

Group management

Reverse logistics

Lean logistics

Manufacturing systems and tools

Innovative manufacturing logistics case study

Inventory management

International procurement and supplier development

Robotics