Vytautas Magnus University

Agri culture Academy

VYTAUTAS MAGNUS
UNIVERSITY
AGRICULTURE
ACADEMY

VMU AA – for those passionate about **nature and technology**

VMU AA in Numbers

1924 founded in

4 faculties

5 study fields

12 first cycle study programmes

>70 Q1 journal products each year

>120 projects each year

>1400 students

>210 research and teaching staff

>170 ERASMUS partners

18 master study programmes

8 PhD fields

8 double degree programmes

>1600 scientific citations of VMU AA products each year

2,5 mln Eur total value of the projects each year

25 research labs and centers

>50 scientific articles among the 10% most cited in the world each year

301–350 rank in QS World University Rankings in agriculture and forestry

9,06/10 average teaching assessment by students

5 Academic Departments:

- Faculty of Agronomy
- Faculty of Bioeconomy Development
- Faculty of Forest Sciences and Ecology
- Faculty of Engineering
- Bioeconomy Research Institute

2 Non-Academic Departments:

- Business and Social Partnership Center
- Experimental Station

3 Priority Research Areas:

- Bioeconomy
- Biosystems Engineering
- Sustainability of Agro-, Forest and Water Ecosystems, Impact of Climate Change

Faculty of Engineering

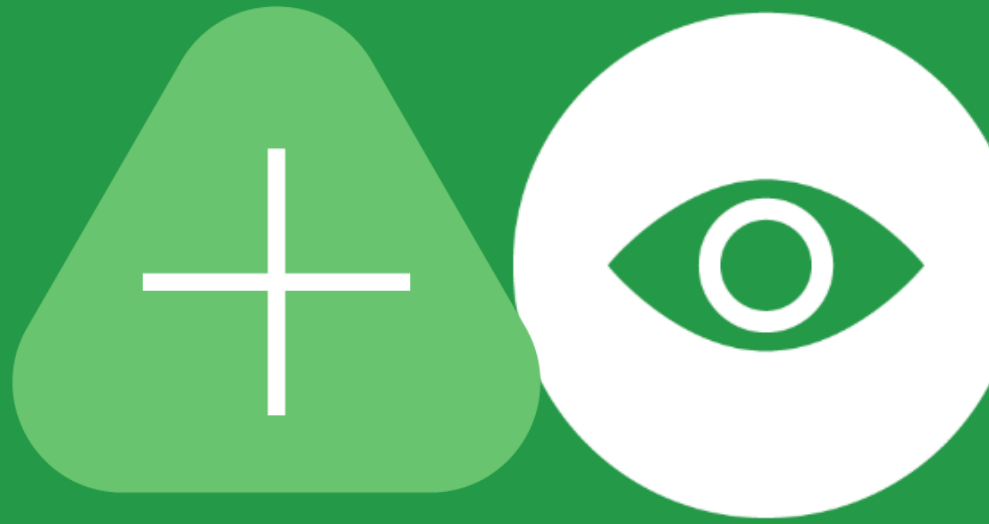
- Department of Mechanical, Energy and Biotechnology Engineering;
- Department of Water Engineering;
- Department of Land Use Palnning;
- Department of Agricultural Engineering and Safety.

Priority areas of **science** and research at the VMU AA

- Bioeconomy
- Biosystems Engineering
- Sustainability of Agro-, Forest and Water Ecosystems, Impact of Climate Change

Bioeconomy

- Sustainable Development of Bioeconomy
- Development of Agricultural and other Bioeconomy Business Organizations
- Integrated Development of Rural Areas



Biosystems Engineering

- Plant and Animal Bio-potential, Agrobiotechnologies
- Food Safety and Security; Bio-based Raw Materials for Industry
- Sustainable Forestry and Timber Harvesting Systems
- **Biomass Engineering and Renewable Energy Resources**
- **Sustainable Water Resources and Aquaculture Systems**
- **Green Tribology and Nanotechnologies**
- **Innovative Agricultural and Transport Technologies**

Sustainability of Agro-, Forest and Water Ecosystems, Impact of Climate Change

- Sustainable Bioresources
- Adaptation and Mitigation of Climate Change Impact on Ecosystems
- Agricultural Waste Management
- Sustainable Land, Forest and Water Technologies; Sustainable Resource Management

Bioeconomy research

Bioeconomy Research Institute:

- Animal Production Research and Innovation Center
- Scientific analysis and management assistance group
- Thematic research groups (clusters) – development period

Bio systems engineering research

Center of:

- **Aquaculture**

R&D Laboratories of:

- **Aquatic ecosystems**
- **Automatic control of machines, technological systems and processes**
- Biodiesel, bioethanol and biological lubricants
- **Biogas**
- Biological waste and by-products usage
- **Biomass treatment, logistics and solid fuel processes**
- Chemical and Biochemical Research in Environmental Technology
- **Geomatics**
- **Heat-energy processes and emission**
- **Progressive agricultural engineering**
- **Structures and building materials**
- Synthesis gas, second generation liquid biofuel and biohydrogen
- **Technology safety**
- **Tribology**

Sustainability of **Agro-, Forest and Water** Ecosystems, Impact of Climate Change

R&D Laboratories of:

- Agrobiology
- Agrobiotechnology
- Agroecology Center
- Climate change impact to forest ecosystems
- Environment
- Forest Monitoring
- Game management
- Quality vegetable raw materials
- Soil and crop ecology

Bachelor Study Programmes

- Agronomy
- Biological Systems Management
- Food Quality and Safety (EN)
- Landscape Design
- Accounting and Finance (EN/RU)
- Bioeconomy Business Management (EN)
- Logistics and Commerce (EN)
- **Agricultural Mechanical Engineering**
- **Sustainable Engineering**
- **Water and Land Engineering** (3 specializations: Aquaculture Engineering, Hydraulic Engineering, Land Use Planning)
- Applied Ecology (EN)
- Forestry

Master Study Programmes

- Agroecosystems
- Agronomy (EN)
- Quality and Safety of Plant Food Raw Materials
- Accounting and Finance
- Agricultural Business Management
- Agricultural Economics
- Agri-food business management (joint degree programme, EN)
- Business Logistics (EN)
- Customs Process Management (MBA, EN)
- Rural Development Administration
- **Agricultural Engineering and Management**
- **Agricultural Mechanical Engineering**
- **Hydraulic Engineering**
- **Land Use Planning**
- **Sustainable Energy**
- **Transport Machinery Engineering**
- Ecology and Climate Change (EN)
- Forestry
- Wildlife Resources and Management (EN)

PhD fields

- Agronomy
- Economics
- Management
- **Environmental Engineering**
- **Mechanical Engineering**
- **Transport Engineering**
- Ecology and Environmental Science
- Forestry

Contacts

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