



HUNGARIAN UNIVERSITY OF
AGRICULTURE AND LIFE SCIENCES

Szent István Campus

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BACHELOR PROGRAMMES in GÖDÖLLŐ	SUBJECT CODE	SUBJECT NAME	ECTS Credits	relevant semester of the study program at MATE
Agricultural Engineering	ELTAK011N	Animal Physiology and Hygiene	4	2
	MATER092N	Applied Statistics	3	2
	MUSZK514N	Basic Technical Knowledge for Non-Technicians	3	2
	MUSZK008N	Data Engineering Skills	4	2
	VDTER278N	Ecology Lecture	3	2
	VDTER279N	Ecology Practice	2	2
	GENBT019N	Genetics	3	2
	NOVTR228N	Introduction to Agriculture 2	0	2
	GENBT034N	Principles of Microbiology	3	2
	KORTU162N	Soil Science	3	2
	KORTU279N	Water Management	3	2
	USINM192N	Accountancy and Finance	3	4
	ELTAK152N	Animal Nutrition in Practice	3	4
	NOVTR018N	Biological Basis and Quality	4	4
	ALLTE202N	Cattle and Sheep Breeding	4	4
	NOVTR093N	Crop Production 1	4	4
	AGELG053N	General and sector-specific legal knowledge	3	4
	MUSZK022N	Mechanization of Animal Farms	3	4
	NOVTR043N	Sward Management	3	4
	KERTU088N	Vegetable Production	3	4
	AGELG089N	Corporate and operational knowledge	3	6
	ALLTE076N	Farm Planning	4	6
	ELTUD396N	Food Safety Basics	3	6
	KERTU066N	Greenhouse Production	3	6
	VFFTG419N	Independent Enterprise Studies	4	6
	AKVKB074N	Industrial Fish Farming Systems	3	6
	NVVED019N	Integrated Plant Protection and Weed Control	3	6
	GAZDT204N	Marketing	6	6
ALLTE052N	Poultry and Rabbit Breeding	3	6	
ALLTE146N	Quality Assurance in Agriculture	4	6	
Business Administration and Management	FFGAZ072N	Business and Organizational Sociology	3	2
	GAZDT422N	Business Economics and Management	5	2
	AGELG048N	Business Statistics	4	2
	MATER093N	Economic Mathematics	4	2
	GAZDT125N	Economic Policy	3	2
	USINM164N	Finance	5	2
	GAZDT202N	Macroeconomics	5	2
	GAZDT204N	Marketing	6	2
	AGELG047N	Business Communication	4	4
	USINM230N	Enterprise Resource Planning Methods	4	4
	AGELG053N	General and sector-specific legal knowledge	3	4
	GAZDT093N	Human Resource Management	3	4
	GAZDT169N	Management of Small and Medium Enterprises	5	4
	USINM212N	Operation and Service Management	4	4
	GAZDT418N	Business Planning	4	6
	GAZDT437N	Change and Crisis Management	4	6
	USINM032N	Controlling	4	6
	GAZDT039N	Insurance Management	4	6
	GAZDT271N	Online Marketing	4	6

Environmental Engineering	MUSZK509N	Basics of digital competencies	0	2
	KORTU062N	Chemical Analysis	4	2
	MUSZK008N	Data Engineering Skills	4	2
	MATER039N	Engineering Mathematics 2	6	2
	KORTU076N	Environmental Organic Chemistry	4	2
	MATER028N	Environmental Physics 2	3	2
	KORTU044N	Fundamentals of Earth Science and Hydrology	3	2
	GENBT034N	Principles of Microbiology	3	2
	KORTU091N	Atmospheric Science	3	4
	KORTU075N	Chemical Processes in the Environment	3	4
	VDTER278N	Ecology Lecture	3	4
	KORTU073N	Environmental Engineering Technology	6	4
	AGELG053N	General and sector-specific legal knowledge	3	4
	KORTU167N	Soil Conservation	5	4
	KORTU147N	Water and Wastewater Treatment	6	4
	KORTU279N	Water Management	3	4
	KORTU074N	Environmental Impact Assessment	3	6
	AKVKB045N	Environmental Risk Assessment and Remediation	6	6
	KORTU031N	Health and Safety	6	6
	KORTU060N	Industrial Technologies and Transportation	3	6
VDTER137N	Nature and Landscape Conservation	3	6	
Mechanical Engineering	MUSZK008N	Data Engineering Skills	4	2
	MUSZK513N	Engineering and Society	4	2
	MATER039N	Engineering Mathematics 2	6	2
	MATER033N	Mathematics Comprehensive Exam	0	2
	MUSZK216N	Mechanics 1	5	2
	MATER096N	Physics 2	6	2
	MUSZK105N	Building Service and Environmental Systems	6	4
	MUSZK062N	Electrotechnics	4	4
	MUSZK264N	Engines and Vehicles	4	4
	MUSZK135N	Machine Elements 1	6	4
	MUSZK147N	Production Technologies	6	4
	MUSZK041N	CAM Practice	6	6
	MUSZK277N	Engineering Management	5	6
	MUSZK389N	FEM - Finite Element Method Technologies	6	6
	MUSZK381N	Machinery Management and Logistics	5	6
MUSZK140N	Measurements and Quality Assurance in Machine Industry	5	6	
Wildlife Management Engineering	FFGAZ133N	Crop Production and Environment	3	2
	FFGAZ133N	Crop Production and Environment	3	2
	VDTER140N	Dominant Species of Natural and Semi-Natural Habitats	3	2
	VDTER278N	Ecology Lecture	3	2
	NOVTR228N	Introduction to Agriculture 2	0	2
	VDTER018N	Introduction to Professional Studies	3	2
	VDTER196N	Urban Wildlife Management	3	2
	KORTU279N	Water Management	3	2
	VDTER157N	Wildlife Zoology	6	2
	MUSZK514N	Basic Technical Knowledge for Non-Technicians	3	4
	ELTAK073N	Basics of Animal Nutrition and Feeding	4	4
	VDTER039N	Basics of Forestry	3	4
	VDTER277N	International Wildlife	3	4
	VDTER017N	Small Game Management	4	4
	VDTER287N	Wildlife Habitat Management Worldwide	5	4
	VDTER290N	Wildlife Research Methodology	4	4
	VDTER163N	Wildlife tourism	4	4
	ELTUD396N	Food Safety Basics	3	6
	VDTER192N	Game Damage Control and Assessment	4	6
	VDTER190N	Game Meat and Other Products Sale	3	6
	VDTER159N	Hunting Administration and Wildlife Harvest Planning	4	6
	VDTER160N	Hunting Cynology	3	6
VDTER105N	Monitoring and Data Collection	4	6	

MASTER PROGRAMMES in GÖDÖLLŐ	SUBJECT CODE	SUBJECT NAME	ECTS Credits	relevant semester of the study program at MATE
Agricultural Biotechnology	GENBT016N	Aims and Results in Plant Breeding	3	4
	ALLTE024N	Animal Breeding	3	2
	ALLTE051N	Assisted Reproductive Techniques in Farm Animals	4	2
	GENBT073N	Basics of Plant Breeding	3	2
	GENBT058N	Cell and Tissue Culture Methodology	5	2
	MATER025N	Experimental design and evaluation	4	2
	GENBT023N	Experimental Embryology	4	2
	MATER051N	Explorative Analysis and Data Visualisation in R	3	2
	GENBT017N	Functional and Structural Plant Genomics	4	2
	GENBT125N	Industrial and Environmental Microbiology and Biotechnology	3	2
	GENBT103N	Intellectual Property and Plant Breeders' Rights	2	2
	GENBT009N	Introduction to Plant and Animal Biotechnology	5	2
	GENBT035N	Molecular Animal Breeding	3	4
	GENBT001N	Molecular Biology and Gene Technology Methodology	4	2
GENBT037N	Molecular Markers in Plant Breeding	3	2	
GENBT048N	Plant Reproduction and Reproduction Biotechnology	3	2	
Agricultural Water Management Engineering	KORTU064N	Climatology, Climate of Hungary	3	2
	KORTU048N	Hydroinformatics	3	2
	KERTU054N	Irrigation in Horticultural and Field Production	5	2
	KORTU099N	Land Improvement Engineering	4	2
	KORTU325N	Management of Wetlands, Aquaculture	4	2
	KORTU050N	Hydroeconomy and Management Information	4	4
	AKVKB010N	Protection of Surface and Subsurface Waters	3	4
USINM252N	Water Policy	3	4	
Aquaculture	KORTU109N	Agricultural Water Management Planning and Construction	3	2
	AKVKB256N	Aquaculture Economics and Marketing	2	2
	AKVKB258N	Fish Farming Technology	3	2
	AKVKB259N	Fish Molecular Genetics and Biotechnology	2	2
	AKVKB260N	Fish Nutrition	3	2
	AKVKB025N	Fish Propagation and Fry Rearing	3	2
	AKVKB032N	Hydrotoxicology	3	2
AKVKB261N	Pond and Intensive Fish Farming	3	2	
Biosystems Engineering Master Programme	MUSZK543N	Agricultural Logistics	4	2
	MUSZK551N	Applied Artificial Intelligence	5	2
	MATER002N	Applied Physics	3	2
	MUSZK542N	Data Science and Data Engineering	5	2
	MUSZK083N	Energetics and Environmental Industry	6	2
	MUSZK553N	Farm Machinery 1	4	2
	MUSZK549N	Intelligent Facilities	4	2
	MUSZK557N	Technical Language 1	0	2
Crop Production Engineering	NVVED064N	Crop Pathology	4	2
	VDTER125N	Crop Pests	4	2
	NVVED060N	Crop Weed Control	3	2
	MUSZK287N	Designing and Operating Crop Production Machinery	3	2
	GENBT054N	Detailed Plant Breeding	3	2
	NOVTR046N	Integrated Crop Production 1	4	2
	KORTU152N	Soil Nutrient Management	3	2
	NOVTR089N	Crop Production Extension Services	3	4
	NOVTR011N	Cultivation and Use of Alternative Plants	3	4
	GAZDT267N	Economy of Crop Production	3	4
	NOVTR024N	Energy Crop Production and Irrigated Cropping	3	4
	AGELG063N	Management Skills	3	4
NVVED048N	Plant Protection Strategies and Systems	3	4	
NOVTR132N	Primary Processing and Quality of Crops	3	4	
Ecotoxicology	KORTU115N	Biochemistry of Pesticides	3	2
	AKVKB121N	Hydrotoxicology	4	2
	KORTU303N	Instrumental analysis on environmental protection	5	2
	KORTU304N	Neurotoxicology	3	2
Engineering Management	MUSZK280N	Engineering Production Management	6	2
	MUSZK169N	Innovation and Strategy Management	6	2
	MATER043N	Operations Research and Applications	5	2
	MUSZK516N	Project management	4	2
	MUSZK152N	Advanced Engineering Project Management	4	4
	MUSZK294N	Application Writing	3	4
	MUSZK259N	Methods and Techniques of Quality Management	5	4
MUSZK180N	Vehicle Technology	4	4	

Environmental Engineering	USINM088N	Basics of Law, Environmental Law	4	2
	KORTU002N	Basics of Waste Management	3	2
	KORTU115N	Biochemistry of Pesticides	3	2
	KORTU084N	Biological and Chemical Methods of Environmental	3	2
	KORTU102N	Measurement and Instrumentation	3	2
	MUSZK516N	Project management	4	2
	KORTU032N	Security Systems and Radioprotection	3	2
	KORTU155N	Soil Amelioration and Soil Conservation	3	4
AKVKB049N	Systems for Environmental Quality Assurance and Condition	3	4	
Finance	USINM139N	Econometrics in Finance	5	2
	USINM156N	Financial Law and Business Compliance	4	2
	USINM158N	Financial Research and Innovation	4	2
	USINM022N	Investment Analysis an Risk Management	5	2
	USINM216N	Multivariate Finacial Statistical Modeling	5	2
	GAZDT297N	Financial and Risk Management	5	4
	VFFTG394N	Financial Controlling and Financial Audit	5	4
	USINM154N	Financial Institutions and International Finance	4	4
	VFFTG390N	Financial Policy	5	4
	VFFTG418N	Financial reporting standards	4	4
	USINM196N	Accounting Specialities and Case Studies	5	6
	USINM134N	Basics of International Accounting	4	6
	USINM032N	Controlling	4	6
	USINM033N	Controlling Techniques	4	6
	USINM034N	Controlling Techniques	4	6
	USINM057N	Financial Control and Audit	4	6
VFFTG389N	Financial Management Basics	5	6	
USINM063N	Financial Reports and Analysis	5	6	
Management and Leadership	AGELG155N	AI-based managerial decision-making	3	2
	USINM082N	Information Management	5	2
	GAZDT450N	Leadership Skills Development	4	2
	MUSZK516N	Project management	4	2
	GAZDT196N	Quantitative Methods	5	2
	VFFTG043N	Strategic and accounting management control	5	2
	AGELG011N	Strategic Human Resource Management	3	2
	GAZDT415N	Business Models	4	4
	GAZDT438N	Change Management (Advanced)	5	4
	GAZDT389N	Consulting Methods and Techniques	6	4
	GAZDT069N	Decision Theory and Methodology	4	4
	GAZDT102N	Ethics and Social Responsibility	5	4
	GAZDT402N	Knowledge Management	5	4
GAZDT218N	Marketing Strategies	3	4	
Mechanical Engineering	MUSZK510N	Advanced Data Engineering Skills	4	2
	MUSZK237N	Engineering Materials	3	2
	MUSZK148N	Manufacturing Systems	3	2
	MUSZK204N	Mechanical Vibrations	4	2
	MUSZK272N	Thermodynamics and Fluid Mechanics	6	2
	MUSZK010N	Additive Technologies	4	4
	MUSZK238N	Engineering Ethics	3	4
	MUSZK321N	Systems Engineering	4	4
Rural Development Engineering	FFGAZ002N	Development of Local Society	3	2
	GAZDT225N	Economics of Agricultural Markets	5	2
	VFFTG391N	Geoinformatics	4	2
	MUSZK516N	Project management	4	2
	FFGAZ214N	Settlement Development and Management	5	2
	FFGAZ293N	Rural and agricultural policy	5	4
	FFGAZ292N	Scientific writing and presentation	5	4
	FFGAZ294N	Theory and Practice of Local Development	5	4
Supply Chain Management	USINM009N	Applied Analysis Methods	4	2
	USINM185N	Logistics and Foreign Trade Techniques	4	2
	USINM118N	Logistics Systems	5	2
	GAZDT218N	Marketing Strategies	3	2
	GAZDT196N	Quantitative Methods	5	2
	GAZDT419N	Business Planning (Advanced)	5	4
	USINM082N	Information Management	5	4
	USINM023N	Management of Purchasing and Distribution	5	4
	MUSZK259N	Methods and Techniques of Quality Management	5	4
	MUSZK516N	Project management	4	4
USINM115N	Simulation of Logistical Processes	5	4	

Wildlife Management Engineering	VDTER189N	Game hygiene and meat handling	6	2
	VDTER056N	Integrated small game management	5	2
	VDTER097N	International Wildlife Issues	3	2
	VDTER174N	Research Methods of Wildlife Biology	4	2
	VDTER173N	Selected Chapters of Wildlife Conservation	3	2
	VDTER161N	Wildlife tourism	3	2
	VDTER186N	Game Damages and Damage Estimation	3	4
	VDTER126N	History of hunting	3	4
	VDTER158N	Hunting Administration	3	4
	VDTER048N	Sustainable Forestry	3	4
	AKVKB051N	Wildlife molecular ecology	3	4