

# ANALYSIS OF THE STRATEGIC ENVIRONMENT OF THE FACULTY OF ENGINEERING

## ANALYSIS OF EXTERNAL ENVIRONMENTAL FACTORS (PESTET) THAT MAY INFLUENCE THE ACTIVITIES OF THE FACULTY OF ENGINEERING IN 2025-2027

Groups of factors	Factors and their expression	Potential vector of impact	Evaluation (on the 5-point scale)*
Political factors	Agriculture and forestry policy (BŪŽP 2021-2027), European and national research programmes are associated with the EU's Green Deal policy, climate change mitigation, agriculture, sustainability. This requires scientific research, on the basis of which innovations and new competences are created.	Possibility	5
	European and national research programmes give priority to funding green course and bioeconomy research (Horizon Europe, etc., green course policy strategies "From Farm to Fork", "Sustainable Agriculture", "Biodiversity Strategy" and others).	Possibility	5
	The priorities of the Lithuanian Government for 2025–2028 – green transition, digital transformation, international cooperation – are in line with the mission of the Faculty of Engineering. The Faculty of Engineering can play a significant role in the preparation of the planned National Bioeconomy Development Plan through scientific research and competence development.	Possibility	4
	Agriculture and related sectors are increasingly recognized as priorities in terms of national security, with more attention being paid to their resilience to crises, pandemics, international competition, etc.	Possibility	4
	The target of reducing the gap between scientists' salaries and the national average by 30% has not been achieved. The current government program continues to pursue the goal of competitive salaries for researchers, but does not specify the exact amount of the increase. A gradual increase in salaries is planned until 2030.	Possibility	3
	The national policy for training specialists in agriculture has so far only partially reflected the needs of the agricultural sector, although there are signs of change at the discussion level.	Threat	4
Economic factors	The bioeconomy is becoming a key priority for EU and national economic policy. There is a growing need for science, innovation, sustainable food supply, and climate neutrality.	Possibility	4
	Although the growing global demand for food remains a pressing issue, the ability of the Faculty of Engineering at the Academy of Agriculture to have a direct impact depends on its ability to integrate into international food security, agroecology, and sustainability initiatives.	Possibility	2
	The demand for specialists in the agricultural and water engineering sector is 2-3 times higher than the number of specialists being trained.	Possibility	5
Social factors	The demographic situation in Lithuanian regions is deteriorating, with a declining concentration of young people in rural municipalities. This limits the number of applicants to the programs offered by the Faculty of Engineering at the Academy of Agricultural.	Threat	4
	Agricultural studies remain insufficiently attractive to high-achieving young people, especially in engineering fields.	Threat	3

	It is still difficult for high school graduates from peripheral regions and rural municipalities to compete for state-funded places, as their academic achievements are often poorer due to differences in social and educational environments.	Threat	3
Technological factors and science	The accelerating pace of technological progress in agriculture and forestry- digitization, automation, sustainable processing technologies, and precision farming - is fundamentally changing the sector, prompting the Faculty of Engineering at the Academy of Agriculture to adapt its study and teaching/learning content more rapidly.	Possibility	5
	Modern technologies are becoming increasingly established in study and research processes – virtual learning environments, simulations, AI solutions, new didactic models. This requires consistent strengthening of the competencies of teachers and researchers, especially in the field of AI application.	Possibility	4
	Due to long-term systemic challenges (funding, organization of doctoral studies, lack of management resources), problems with the quality of training for young scientists and their professional integration are still evident.	Threat	3
Ecological factors	Based on the green course policy, priority attention is given to agricultural ecology through digitization, precision farming, forestry, the "return to nature" of agricultural areas, biodiversity conservation, ecological forestry, urban forestry, and ecological lifestyles. This shapes new research priorities and competence development needs for the Faculty of Engineering at the Academy of Agriculture.	Possibility	4
Legal factors	The conditions for admission to state-funded bachelor's degree programs remain restrictive for applicants to study programs in the agriculture, forestry, and water management sectors - the grading scales and funding allocation principles do not take into account the strategic national priority of these programs.	Threat	3

\*Evaluation on the 5-point scale:

- very important opportunity – 5 points, ..., unimportant opportunity – 2 points;
- very important threat – 5 points, ..., unimportant threat – 2 points.

ANALYSIS OF THE INTERNAL FACTORS OF THE FACULTY OF ENGINEERING FOR THE PREPARATION OF  
STRATEGIC ACTIVITIES FOR THE PERIOD 2025-2027

Groups of factors	Factors and their expression	Character	Evaluation (on the 5-point scale)*
Scientific research	A breakthrough has been achieved in the publication of research results in international scientific journals with an impact factor	Strength	4
	Leadership at the national level, partly also at the international (regional) level in the field of bio-economy development research is emerging	Strength	4
	Modern and high-quality laboratory and scientific equipment ensures the high quality of research and study processes and contributes to the university's competitiveness at the national and international levels	Strength	4
	Positions in national and international scientific projects are being strengthened – initiative and the scope of partnerships are growing noticeably.	Strength	2
	Different involvement of teachers and researchers in research, in terms of systematicity, consistency, depth of research and scientific achievements	Weakness	3
	Emerging problems of quality training and adaptation of young scientists	Weakness	3
	The insufficient degree of the use of laboratory and other scientific equipment	Weakness	2
	The participation of the Faculty of Engineering of the Academy of Agriculture in international scientific platforms is still insufficient, but targeted partnership development and purposeful positioning in priority areas have been initiated	Weakness	1
Studies	Leading positions in the country (the only university institution) in training agricultural engineering, soil moisture regulation, land use planning specialists (LTQF level 6 and 7) for agriculture and water management	Strength (along with weakness)	4
	Modern and attractive study infrastructure (auditoriums, laboratories, audiovisual equipment)	Strength (along with weakness)	4
	By implementing a study model based on the principles of artes liberales, students of the Faculty of Engineering at the Academy of Agriculture are provided with a strong environment for developing cognitive, individual, and social skills, which becomes a distinctive aspect of the quality of studies and value identity	Strength	4
	Targeted and coordinated initiatives in study marketing, programme promotion and the publication of study results strengthen the visibility and attractiveness of the academy	Strength	4
	Study programs are being updated, interdisciplinarity is being developed, future competencies are being integrated, and modern educational technologies are being applied, although the pace of these processes could still be accelerated	Strength	2
	The university has a centralized graduate employment monitoring system in place – graduate surveys are conducted, and the SPK analyses and evaluates graduates' career paths, but the monitoring results are not yet fully integrated into decisions on improving the quality of studies	Strength	1

	There has been a critical decline in the number of students enrolled in first-cycle study programs designed to develop competencies in the fields of land and water management engineering. Over the past three years, the number of students in first- and second-cycle studies has decreased by 10%. First-cycle study programs in hydraulic engineering, land use planning, and some other engineering fields have practically disappeared	Weakness	3
	Low profitability of first-cycle engineering study programs	Weakness	3
	No foreign students attracted to consecutive studies – development potential untapped, despite strengthening marketing, partnership, and English-language program initiatives	Weakness	2
	Student participation in international academic exchanges, research, educational activities, and volunteering remains limited, although positive trends are noticeable.	Weakness	2
	Insufficient quantity and utilization of high-quality study infrastructure (lecture halls, laboratories, etc.) in the study process due to declining student numbers	Weakness	2
Partnership, research and study services	Developed partnership with agribusiness and social partners	Strength	4
	Expanded partnership with agribusiness and social partners	Strength	4
	The Academy of Agriculture has developed a system for providing laboratory, expert, consulting, and other services to agribusiness, the public sector, and scientific and academic institutions, which also includes the Faculty of Engineering – the range of services is being actively expanded and partnerships are being strengthened, although the potential of some areas has not yet been fully exploited	Strength	3
	A system has been developed and is in operation for the retraining of specialists in sectors related to the mission of the Academy of Agriculture and the Faculty of Engineering, and for the improvement of the competencies of managers and employees. Services are being implemented in a targeted manner, but there is still potential for growth in terms of expanding opportunities and regional accessibility	Strength	3
	Insufficient involvement in the development, improvement, and maintenance of agricultural and other national and international integrated information systems (ŽŮŽIS)	Weakness	1
Community, structure and management	The faculty community demonstrated a high level of cohesion during the reorganization, which shows institutional resilience and strong community solidarity, while maintaining internal stability in response to external challenges, continuing activities, and showing tolerance for motivational challenges	Strength	4
	The implementation of salary increases and motivation measures creates the conditions for a stronger culture of employee engagement and achievement	Strength	3
	In 2021, the restructuring of the Academy of Agriculture was completed by merging the Faculty of Agricultural Engineering and the Faculty of Water and Land Management into the Faculty of Engineering, which	Strength	3

	significantly improved organizational clarity and ensured better alignment of studies and research with the institutional structure		
	The establishment of the Bioeconomy Research Institute and the increase in the number of research positions have strengthened the potential of the academic community	Strength	2
	Signs of the decline of the academic community are becoming apparent. With teaching positions heavily dependent on student numbers, the number of teaching positions has fallen by 10% over the last three years	Weakness	2
	Insufficiently developed provision of science management services – although initial solutions are being initiated, functions have not yet been fully defined and resource allocation is limited	Weakness	1
Environment, general infrastructure, other factors	The unique academic campus and its strategically attractive geographical location provide an exceptional competitive advantage for the development of studies, science, and the community	Strength	5
	The infrastructure of the academy and faculty is open to the public, students, and businesses, promoting educational and collaborative activities, although opportunities for further development remain unexploited	Weakness	2

\*Evaluation on the 5-point scale:

- very important strength - 5 points, ..., unimportant strength - 2 points;
- very important weakness - 5 points, ..., unimportant weakness - 2 points.

### SWOT ACTIVITIES OF THE FACULTY OF ENGINEERING

Strengths	Weaknesses
Developed partnership with agribusiness and social partners	Critically low number of students in I-cycle engineering science study programs
Unique study programs in engineering sciences	Low participation of students in international academic exchange programmes, absence of foreign students
Bringing the community together to meet external and internal challenges	The involvement of some teachers and researchers in research is still weak
High pedagogical and scientific competence of teachers and researchers, good study and research infrastructure	Insufficiently developed laboratory, expert, consulting services
Opportunities	Threats
The need for agriculture and water engineering specialists is more than 5 times higher than what they are being trained for	The national policy for the training of agriculture and water engineering specialists is inadequate for the expectations of the agricultural sector
The rapidly growing needs of new knowledge and future competences in agriculture and water management	Low attractiveness of study programs related to agriculture and water engineering
EU and national Green Deal policy priorities favour the development of scientific research in the field of technological sciences	Inferior conditions for students from peripheral regions to achieve the abilities to enter agricultural and water engineering university study programs
The accelerating rates of technological progress in agriculture and water management domain (digitalization, robotization, preservation of sustainability) are rapidly increasing the needs for scientific, consulting and qualification improvement	Decline in the academic community, with teaching positions heavily dependent on student numbers

**STRATEGIC PLAN OF THE FACULTY OF ENGINEERING, VYTAUTAS MAGNUS UNIVERSITY AGRICULTURE ACADEMY FOR 2025-2027  
AND TARGET INDICATORS FOR 2027**

Goal I - Studies													
No.	Goals, objectives, measures of the Academy of Agriculture	Interfaces with VMU strategic plan measures (measure no.)	Dates of the achievement of the goals and objectives and the implementation of measures of the Academy of Agriculture	Indicators of the achievement of the goals and objectives of the Academy of Agriculture and the implementation of measures carried out by the departments	Numeric values of the AA indicators implemented by the department	Goals, objectives, measures, etc. of the strategic plan of the Faculty of Engineering	Internal departments implementing objectives, goals and measures	The internal department's implemented indicators of AA and their numeric values up to year 2027	Coordinating the implementation of activities and performing monitoring on the scale of the Faculty of Engineering	Values of the Faculty of Engineering			
										Fact 2024 (for comparison)	Plan 2025	Plan 2026	Plan 2027
1.	To meet the needs of the agriculture, forest and water management domains, their infrastructure, and the related public institutions and communities for the LTGF level 6 and 7 specialists	Direction 3	2027	The degree of satisfaction of the prognostic need of specialists, expressed in percent	At least 60	To prepare agricultural and water management engineering specialists of the levels 6 and 7 LTGF		At least 60	Dean				
1.1.	To increase the number of students from Lithuania in I and II cycle study programs	x	2027	Number of students as on 1 October	2250	To search for students according to the annually approved marketing plan of the Academy of Agriculture, supplemented by faculty-specific measures	Study program committees, departments	300	Dean	250	275	285	300
1.1.1.	Group of measures – joint coordinated actions with business and social partners regarding the improvement of admission conditions and financing of studies	x	2027	The number of students admitted to the first-cycle study programs	300	Group of measures – joint coordinated actions with business and social partners regarding the improvement of admission conditions and financing of studies	Study program committees, departments	40	Dean	18	30	35	40

1.1.1.2.	To prepare the concept of conditions for the admission of persons to agricultural study programmes and present it to the authorities of the Republic of Lithuania	3.2.2.1 3.2.2.2	2025 (and necessary adjustments in subsequent years)	Concept	1	To delegate a faculty representative to the working group	Departments		Dean				
1.1.1.3.	Initiate the inclusion of study programs dedicated to agriculture in the lists of priority study programs in the ministries of the Republic of Lithuania (Ministry of Environment, Ministry of Agriculture and others as necessary)	x	Every year	The number of study programs of the Academy of Agriculture included in the priority lists	7	To participate in the compilation of lists of priority study programmes	Departments	4	Dean	x	x	x	x
1.1.2.	Group of measures – partnerships with non-university schools of higher education, vocational training institutions, and the authorities on joint preparation of the specialists. Consolidation of vocational training	x	2027	Number of the graduates from non-university schools of higher education admitted into the bridge studies	85	To publicize bridge and master's degree programs from non-university schools of higher education preparing professional bachelors of engineering and technological sciences	Study program committees, departments	50	Dean	50	50	50	50
				Number of the persons holding vocational qualifications admitted into the first-cycle study programmes	20	To publicize study programs in vocational training institutions	Study program committees, departments	5	Dean, study programme committee chairpersons	0	0	0	5
1.1.2.1.	To renew or conclude new cooperation agreements with colleges and vocational training institutions	x	2027	Number of cooperation agreements	20	To renew or conclude new cooperation agreements with colleges and vocational training institutions	Departments	3	Dean	0	1	1	1



1.1.2.2.	Together with the colleges, prepare common college study programs (agricultural engineering, agrotechnology, etc.), involving the teachers of the Academy of Agriculture in their implementation and using the infrastructure of the Academy of Agriculture	x	2027	Joint study programs with non-university schools of higher education	2	To prepare a common collegiate study program together with the non-university schools of higher education, involving the teachers of the Academy of Agriculture in their implementation and using the infrastructure of the Academy of Agriculture	Departments		Dean	0	0	0	1
1.1.2.4.	To prepare conditions for the use of the Academy of Agriculture's infrastructure (laboratories, study rooms, other infrastructure objects) for collegiate studies, professional practices, and educational excursions	x	Every year	Set conditions (document)	1	To delegate a faculty representative to the working group	Departments		Dean	1	1	1	1
1.1.3.	Group of measures - educational support for those who intend to enrol and have enrolled in the VMU Academy of Agriculture	x	Every year	Number of persons who have completed the program of preparation for the studies	100	To provide educational assistance to those intending to enrol and those enrolled in the Faculty of Engineering			Dean	x	x	x	x
1.1.3.3.	To conduct additional educational courses for first-year students to strengthen socialization and integration into university activities	x	Every year	Number of educational courses	12	To conduct introductory week events	Departments	3	Dean	3	3	3	3
1.1.3.4.	To continue the activities of the Smart Student Academy	x	Every year	Number of students	2025 – 426 2026 - 447	To continue the activities of the Smart Student Academy (SMA) Engineering Classes	Departments	200	Dean	200	200	200	200

1.1.3.6.	To develop an academic mentoring program based on the student-to-student principle	3.1.5.3	2027	Academy of Agriculture - the number of cases of student mentoring	15	To involve students of the Faculty of Engineering in the activities of the student mentoring program			Dean	0	1	2	3
1.1.4.	Group of measures – popularization of study programs	x	2027	Percentage of those who chose to study at the Academy of Agriculture as their first priority	50	To popularize the study programs according to the approved marketing plan of the Academy of Agriculture, supplemented with specific measures of the faculty	Study program committees, departments	40	Dean	0	30	35	40
1.1.4.3.	To organize events during which direct contact with pupils would be created, with the aim of gathering a network of pupils' ambassadors, involving them in already ongoing university activities	3.4.3.3	Constantly	Academy of Agriculture - number of ambassadors (pupils and students)	20	To participate in building a network of ambassadors (pupils and students).		4	Dean	2	4	4	4
1.1.5.	Group of measures - improvement of graduate career monitoring	x	2027	Share of employability of graduates according to acquired qualification (1 year after graduation), expressed in percent	85	Improvement of study programs, considering the needs of employers		85	Study program committee chairpersons	x	x	x	x
1.1.5.4.	To conduct annual analyses of the employability of graduates of the Academy of Agriculture (integrating the comparison with the indicators of the STRATA professional information tool, as well as with the	x	Every year	Employment analysis	1 every year	To carry out an employability analysis of each study program			Study program committee chairpersons				

	international analysis of the average salary)												
1.1.5.6.	To expand personal counselling activities focused on the ability to plan one's career, to discover a professional identity and to acquire comprehensive knowledge and skills necessary to successfully establish oneself in the labour market, and to increase the inclusion of career competence development in the study process	3.1.6.3	Constantly			To participate in activities organized by CC			Dean				
1.2.	To increase the number of students from abroad	x	2027	Number of students from abroad as on 1 October	250	To prepare study programs for foreign students (individual and double degree) and students coming under exchange programs according to separate groups of study subjects	Study program committees, departments	12	Dean	0	6	10	12
1.2.1.	Group of measures - strengthening partnerships with foreign universities in the field of studies	x	x	The number of students of the Academy of Agriculture participating in double degree study programs	50	Strengthening partnerships with foreign universities in the field of engineering studies			Dean	x	x	x	x
1.2.1.1.	To establish partnerships with Western European universities for the preparation and implementation of double degree study programmes	3.2.4.2, 3.5.1.4.	2027	Number of agreements for double degree study programs	2	To establish partnerships with Western European universities for the preparation and implementation of double degree	Study program committees, departments	1	Dean	0	0	0	1

						engineering study programs							
1.2.1.2.	To establish partnerships with Eastern European and Asian universities for the preparation and implementation of double degree study programs	3.2.4.2	2027	Number of agreements for double degree study programs	5	To establish partnerships with Eastern European and Asian universities for the preparation and implementation of double degree engineering study programs	Study program committees, departments		Dean	1	1	1	1
1.2.1.3.	To prepare and implement double degree study programs	-	2027	Number of double degree programs running	10	To prepare and implement double degree engineering study programs	Study program committees, departments	2	Dean	0	0	1	1
1.2.3.	Group of measures - improvement of international marketing	x	x	Share of foreigners in total student enrolment, expressed in percent	At least 10	To participate in the development of international marketing		At least 10	Dean				
1.3.	To improve the quality of specialist training (studies) by responding to the needs of society, employers and students	x	2027	Percentage of study accredited for 7 years	At least 70	To prepare and implement study quality improvement plans for ongoing engineering study programs	Study program committees	At least 70	Dean, Study Program Committee Chairpersons	90			
1.3.1.1.	Periodically conduct research on the professional field of study programs	x	Every year	Number of study programs whose study objectives have been revised based on professional field research	At least 10	Conduct field research on the Faculty of Engineering study programs	Study program committees	At least 2	Dean	2	2	2	2
1.3.1.3.	Conduct an analysis and update of study programs, assessing the needs for interdisciplinarity and innovation, the results of professional field research, the challenges of the	3.2.1.1.	Every year	Updated study programs	According to needs	<b>Implement the renewal of study programs at the Faculty of Engineering</b>	<b>Study program committees</b>	According to needs	Dean	2	3		

	green course, and future competencies												
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**STRATEGIC PLAN OF THE FACULTY OF ENGINEERING, VYTAUTAS MAGNUS UNIVERSITY AGRICULTURE ACADEMY FOR 2025-2027  
AND TARGET INDICATORS FOR 2027**

Goal II - Research (responsible in the faculty are heads of departments)													
No.	Goals, objectives and measures of the Academy of Agriculture	Interfaces with VMU strategic plan measures (measure no.)	Dates of the achievement of the goals and objectives and the implementation of measures of the Academy of Agriculture	Indicators of the achievement of goals and objectives of the Academy of Agriculture, implementation of measures, carried out by the department	Numeric values of indicators of the Academy of Agriculture implemented by the department	Goals, objectives, measures, etc. of the strategic plan of the Faculty of Engineering	Internal departments implementing objectives, goals and measures	Indicators of the Academy of Agriculture implemented by the internal department and their numeric values in 2027	Coordinating the implementation of activities and performing monitoring on the scale of the Faculty of Engineering	Values of the Faculty of Engineering			
										Fact of the year 2024 (for comparison)	Plan for 2025	Plan for 2026	Plan for 2027
2.	To develop the fundamental and applied research and R&D in the priority research areas that are in line with the EU's Green Deal policy	Direction 2	2027	Annual scientific output according to the methodology of the Research Council of Lithuania, per FTE unit, expressed in points: - in the fields of agriculture, technology and natural sciences - in the field of social sciences	12.0 25.0	To develop fundamental, applied research and R&D in technological sciences that are in line with the Green Deal policy in priority research areas	Departments	12	Dean	15..51 (2023)	12.0	12.0	12.0
2.1.	To strengthen competitiveness on the international and national research market	x	2027	1. Annual number of articles per FTE unit published in the international publications with an impact factor:	2,1 2,9	Annual number of articles per FTE unit published in the international publications with an impact factor in the field of	Departments	1,6	Heads of the departments	1,53	1,1	1,3	1,6

				- in the agricultural, technology, and natural sciences - in the social sciences		technological sciences							
				2. Annual value of international and national R&D projects, EUR thous.	2500	Annual value of international and national R&D projects, EUR thous.	Departments	600	Heads of the departments	763	600	600	600
				3. The number of conducted international R&D projects coordinated by the VMU Agriculture	3	To coordinate an international R&D project	Departments	1	Heads of the departments				
2.1.1.	Group of measures – partnership development with business and social partners in the field of science and innovation	x	2027	A favourable environment for the development of R&D		To develop partnerships with business and social partners in the field of science and innovation	Departments		Heads of the departments				
2.1.1.1.	Together with business and social partners, identify the needs of relevant applied research and experimental development works, presenting them to the Lithuanian Council of Science, the Ministry of Agriculture, MoD, and other institutions	-	Every year	List of current applied research and experimental development works	One every year	To propose a list of applied research and experimental development works	Departments		Heads of the departments				
2.1.2.	Group of measures – adjustment and refinement of priority areas of scientific activity	x	2027	Effective thematic system of scientific activity	-	To specify, as needed, the directions of the Faculty of Engineering's scientific activities	Departments		Dean, heads of the departments				

2.1.2.1.	To newly approve priority directions of scientific activity according to established criteria	-	According to needs	Description of priority areas of scientific activity	1	To approve the priority directions of scientific activity	Departments	according to the need	Dean, heads of the departments				
2.1.2.2.	Newly approve the long-term research topics of the faculties (clusters, centres, as needed) according to the approved priority directions of scientific activity	-	As needed and later	Lists of long-term topics of scientific research of faculties (clusters, centres as needed)	4	To compile lists of long-term research topics of departments	Departments	according to the need	Dean, heads of the departments				
2.1.2.3	To substantiate and approve new research topics (previously not carried out by the Agriculture Academy) and their assignment to academic departments for studies and long-term development of scientific activities	-	As needed and later	List of new research topics	1	To participate in the creation of new research topics	Departments	according to the need	Dean, heads of the departments				
2.1.3	Group of measures – structural measures for interdisciplinary coordination of scientific research	x	2027	Number of successful applications for R&D projects per year	17 on average	To submit applications for R&D projects	Departments	4	Heads of the departments	4	4	4	4
2.1.3.8.	Submit applications and carry out international and national scientific projects aimed at substantiating bioeconomy (ecosystems and biodiversity), the European Green Deal policy, rural policy and its measures	5.3.1.2	Every year	Academy of Agriculture - number of submitted applications per year	Academy of Agriculture – on average 50	To participate in research groups applying and implementing international and national projects to support the bioeconomy, the European Green Deal Policy, rural policy and its measures.	Departments	10	Heads of the departments	10	10	10	10
2.1.4.	Group of measures - means of involvement in international scientific platforms and infrastructure consortia, effective representation in them	x	2027	Number of representatives of the Academy of Agriculture on international platforms, consortia and networks	12	To participate as representatives of the Faculty of Engineering in international platforms, infrastructure consortia	Departments	3	Dean, heads of the departments		1	1	1

2.1.4.1.	To develop partnerships by participating in partner search platforms (EKHorizon Europe, Crowdhelix, etc. measures) in order to become a partner in project application consortia initiated by other institutions	2.1.2.4	2025–2027	Academy of Agriculture - number of applications for R&D projects with partners from foreign institutions	At least 1 every year	To participate in joint teams of the Academy of Agriculture in submitting applications for R&D projects with partners from foreign institutions	Departments		Heads of the departments				
2.1.4.2.	To join national and international clusters (1 per year)	2.5.1.2	2025–2027	Academy of Agriculture - number of cluster memberships	At least 3 (2027)	To participate in the joint teams of the Academy of Agriculture by participating in national and international clusters	Departments		Heads of the departments				
2.1.4.3.	To encourage teachers and researchers to actively participate in mobility programmes in order to establish new international contacts	2.1.3.1	2025–2027	Academy of Agriculture - number of teachers and research workers in research mobility programs	At least 20 every year	For teachers and research workers to participate in mobility programs	Departments	At least 5 every year	Heads of the departments				5
2.1.4.4.	To expand the involvement of academic staff in international professional thematic networks, editorial boards of scientific journals, the circle of experts of national and international scientific programs	2.5.1.1	2025–2027	Academy of Agriculture - number of representatives in professional thematic networks	7 (2027)	Number of representatives of the Faculty of Engineering participating in professional thematic networks	Departments	2	Heads of the departments				2
				Number of members in editorials of scientific journals	28 (2027)	To participate in editorials of scientific journals	Departments	10	Heads of the departments	10	10	10	10
				Number of experts in international	13 (2027)	To participate as experts in international	Departments	2	Heads of the departments				2



				science programmes		scientific programmes							
2.1.5.	Group of measures - creation of favourable conditions for carrying out priority R&D	x	2027	The average annual growth rate of the number of articles published in the international publications with an impact factor, expressed in percent	5,0	Creation of favourable conditions for priority R&D		5.0	Dean, heads of the departments				
2.1.5.1.	To financially encourage teachers and researchers from the University Science Fund to publish in international scientific journals with an impact factor. To motivate the choice of open access journals and publishers	2.1.2.6	2025–2027	Academy of Agriculture - number of publications for which their authors were encouraged	At least 40 publications every year	To participate in the University Science Fund promotion fund competition	Departments	At least 10 publications every year	Heads of the departments				
2.1.5.2.	To financially encourage teachers and research workers from the Chancellor's Fund of the Academy of Agriculture to achieve outstanding scientific results	x	2021–2027	Number of publications for which their authors have been encouraged	At least 20 publications annually	To participate in the promotion competition for teachers and research workers from the Chancellor's Fund of the Academy of Agriculture	Departments	5	Dean, heads of the departments		5	5	5
2.1.5.4.	To conduct international competitions for scientific and pedagogical positions (to seek that 50% of academic departments employ at least one top-level foreign scientist-leader, artist)	2.1.3.2	2025–2027	Academy of Agriculture - number of teachers and research workers from abroad	At least 1 in all academic departments (2027)	To participate in the search for scientists and educators who would participate in the competition for teachers and researchers of the Academy of Agriculture	Departments	At least 1	Dean, heads of the departments				

2.1.5.6.	To financially encourage doctoral students from the University Science Foundation to publish in international scientific journals with an impact factor (1-2 Q CA WOS citation index for exact sciences)	2.2.3.4	2025-2027	Academy of Agriculture - number of promoted doctoral students	At least 5 annually	Doctoral students of the Faculty are encouraged to participate from the funds of the University Science Fund	Departments	At least 1 every year	Heads of the departments				
2.1.6.	Group of measures – improvement of the system of scientific management and technical support for scientific projects	x	2027	Average estimate of researchers' satisfaction with managerial and technical support	At least 8.5 points (out of 10 points)	To delegate a faculty representative to the working group for the improvement of the system of scientific management and technical support for scientific projects			Dean				
2.2.	To develop innovative activities	x	2027	Annual value of projects aimed at introducing scientific innovations (EIP, projects “Intelektas”, “Ino čekiai”, etc.), in thousands of euros	350	To participate in projects aimed at introducing scientific innovations	Departments	50	Heads of the departments		50	50	50
2.2.1.	Group of measures - promotion of involvement in projects aimed at implementing scientific innovations (EIP, projects “Intelektas”, “Ino čekiai”, etc.)	x	2027	Percentage of the total number of teachers and researchers, doctoral students participating in projects aimed at implementing scientific innovation.	30	To involve Faculty of Engineering lecturers, researchers, doctoral students in projects aimed at introducing scientific innovations	Departments	30	Heads of the departments		10	20	30

2.2.1.1.	To encourage teachers and researchers to actively patent new products and technologies created. Assist in the preparation of patent applications	2.1.4.1	2025–2027	Academy of Agriculture - number of submitted patent applications	1 every year	Patent new products and technologies created	Departments	1 every two years	Heads of the departments				
2.3.	To develop the dissemination of innovative scientific knowledge and to increase the social impact of science		2027	Number of science popularization articles per FTE unit per year	3.0	Write science popularization articles	Departments	3.0 per FTE annually	Heads of the departments				

**STRATEGIC PLAN OF THE FACULTY OF ENGINEERING, VYTAUTAS MAGNUS UNIVERSITY AGRICULTURE ACADEMY FOR 2025-2027  
AND TARGET INDICATORS FOR 2027**

Goal III - Scientific services (responsible in the faculty is the dean)													
No.	Goals, objectives, measures of the Academy of Agriculture	Interfaces with VMU strategic plan measures (measure no.)	Dates of the achievement of the goals and objectives and the implementation of measures of the Academy of Agriculture	Indicators of the achievement of goals and objectives of the Academy of Agriculture, implementation of measures, carried out by the department	Numeric values of indicators of the Academy of Agriculture implemented by the department	Goals, objectives, measures, etc. of the strategic plan of the Faculty of Engineering	Internal departments implementing objectives, goals and measures	Indicators of the Academy of Agriculture implemented by the internal department and their numeric values until 2027	Coordinating the implementation of activities and performing monitoring on the scale of the Faculty of Engineering	Values of the Faculty of Engineering			
										Fact 2024 (for comparison)	Plan 2025	Plan 2026	Plan 2027
3.	To develop specialist and manager qualification improvement, consultancy, expert, laboratory and other scientific services in line with the needs of the agriculture, forest and water management domains, their infrastructure, and the related public institutions and communities	Direction 5	2027	Annual value of services in thousand euros	530	To participate in the provision of consulting, expert, laboratory and other scientific services	Departments	100	Dean, heads of departments				
3.1.	To create and enable a system for the provision of consulting services		2027	The annual value of consulting services in thousand euros	100	To provide consulting services	Departments	20	Dean, heads of departments				
3.3.	To develop expert, laboratory and other scientific services	x	2027	The annual value of scientific services in thousands of euros	180	To provide expert, laboratory and other scientific services	Departments	40	Dean, heads of departments				
3.3.1.	Group of measures – development of expert services	x	2027	Total number of provided expert services	15	To develop expert services	Departments	4	Dean, heads of departments				

3.3.1.1.	To form high-competence expert groups on bio-economy, the EU's Green Deal policy, rural development policy, providing expert opinions through various media means	5.3.2.1	2025–2027	Number of expert opinions provided by various media outlets	In 2025 – 35 In 2026 – 40 In 2027 – 50	To participate in the creation of high-competence bio-economy, the EU's Green Deal policy, rural development policy expert groups, providing expert opinions through various media means.	Departments	12	Dean, heads of departments		8	10	12
3.3.1.2.	To provide expert evaluations of new EU and national legislation in the fields of bio-economy, green course, rural policy	2.3.3.1	2025–2027	Number of expertly evaluated legal acts	In 2025 – 10 In 2026 – 10 In 2027 – 10	To participate in providing expert evaluations of new EU and national legislation in the fields of bio-economy, green course, rural policy.		1	Dean, heads of departments				1
3.3.1.3.	To get involved in the preparation of EU, national and regional strategies and legislation in the fields of bio-economy, EU green course, rural policy	-	2025–2027	Number of cases of involvement in strategy and legislative drafting groups	In 2025 – 5 In 2026 – 5 In 2027 – 5	To get involved in the preparation of EU, national and regional strategies and legislation in the fields of bio-economy, EU green course, rural policy.		1	Dean, heads of departments				1
3.3.1.4.	To actively participate in the activities of the Lithuanian Chamber of Agriculture, the Lithuanian Council of Agriculture, regional development councils and other collegial institutions	-	2025–2027	Number of activities in councils and other institutions	At least 5 per year	To actively participate in the activities of the Lithuanian Chamber of Agriculture, the Lithuanian Council of Agriculture, regional development councils and other collegial institutions.		1	Dean, heads of departments				1

3.3.1.5.	To increase the visibility and recognizability of the University's highly competent experts in society, national and international media	5.2.2.1	2025–2027			To increase the visibility and recognizability of the Faculty's highly competent experts in society, national and international media			Dean, heads of departments				
3.3.2.	Group of measures – development of laboratory and other scientific services	x	2027	Annual mean rate of growth in laboratory and other scientific services, expressed in percent	5 percent	To develop expert and other scientific services		5 percent	Heads of departments		5	5	5
3.3.2.1.	To prepare a concept for the development of laboratory and other scientific services	3.2.7.2	Annually, as needed	The concept is ready	1	To delegate faculty representatives who would prepare the concept of development of laboratory and other scientific services		Annually, as needed	Dean, heads of departments				

**STRATEGIC PLAN OF THE FACULTY OF ENGINEERING, VYTAUTAS MAGNUS UNIVERSITY AGRICULTURE ACADEMY FOR 2025-2027  
AND TARGET INDICATORS FOR 2027**

Horizontal strategic direction (responsible in the faculty is the dean)													
No.	Goals, objectives, measures of the Academy of Agriculture	Interfaces with VMU strategic plan measures (measure no.)	Dates of the achievement of the goals and objectives and the implementation of measures of the Academy of Agriculture	Indicators of the achievement of goals and objectives of the Academy of Agriculture, implementation of measures, carried out by the department	Numeric values of indicators of the Academy of Agriculture implemented by the department	Goals, objectives, measures, etc. of the strategic plan of the Faculty of Engineering	Internal departments implementing objectives, goals and measures	Indicators of the Academy of Agriculture implemented by the internal department and their numeric values until 2027	Coordinating the implementation of activities and performing monitoring on the scale of the Faculty of Engineering	Values of the Faculty of Engineering			
										Fact 2024 (for comparison)	Plan 2025	Plan 2026	Plan 2027
<b>H.</b>	To create a motivating and sustainably favourable environment for the expression of community members' partnership, professionalism, creativity, community and health	Directions 1.4 and 5	2027	Integrated indicator of employee well-being	≥ 85 percent	To create a motivating and sustainably favourable environment for the expression of partnership, professionalism, creativity, community spirit and wellness among members of the faculty community		≥ 85 percent	Dean	75 percent	≥ 85 percent	≥ 85 percent	≥ 85 percent

H.1.	Group of measures - further strengthening of partnership with business and social partners as well as community spirit	x	2027	Average score of satisfaction of business and social partners	At least 8.5 (on a 10-point scale)	To strengthen partnership with business and social partners		At least 8.5 (on a 10-point scale)	Dean	8.7	≥ 8.5	≥ 8.5	≥ 8.5
H.3.	Group of measures - improvement of employees' competences	x	2027	Percentage of employees who participated in competency development events	At least 90 percent	To encourage faculty employees to participate in competency development events.		At least 90 percent	Dean	82.6	90	90	90
H.3.1.	To create a consistent, high-quality, efficient qualification improvement system that meets the needs of teachers	3.3.1.1	Annually	Agriculture Academy - implementation of the qualification improvement system	1	To participate in the creation of a consistent, high-quality, efficient qualification improvement system that meets the needs of teachers.			Dean				



H.3.2.	To create conditions for employees to improve not only according to their positions, but also in order to acquire new abilities and competences	4.3.1.2	Annually			To create conditions for employees to improve not only according to their positions, but also in order to acquire new abilities and competences			Dean, heads of departments				
H.3.3.	To prepare a system for recognizing the qualification requirements and competences of a digitally competent teacher	3.3.2.3	2027	Academy of Agriculture - implementation of the system of recognition of qualification requirements and digital competences among teachers	At least 25 percent teachers per year	To participate in the preparation of a system for recognizing the qualification requirements and competences of a digitally competent teacher.			Dean, heads of departments				
H.3.4.	To develop a system for recognizing and promoting the mobility of teachers and non-academic staff	3.2.4.1	Annually	Agriculture Academy - application of the mobility recognition and promotion system	The number of those who leave to teach - on average 15 percent per year	To develop a system for recognizing and promoting the mobility of teachers and non-academic staff			Dean, heads of departments				

H.3.6.	To create and implement a system of practical internships for teachers	x	2027	Percentage of teachers who went on practical internships	15 percent per year	To participate in the development and implementation of the system of practical internships for teachers			Dean, heads of departments				
H.4.3.	To create an incentive system for teachers to encourage the involvement of students in research	3.1.4.3	2027			To participate in the development of a faculty incentive system to encourage student involvement in research			Dean, heads of departments				
H.5.	Group of measures - creating favourable conditions for a healthy lifestyle and physical activity of community members	1.2.4	2027	Percentage of community members involved in physical activity activities organized by the Academy of Agriculture	20	To encourage members of the faculty community to get involved in physical activity activities organized by the Academy of Agriculture		20	Dean, heads of departments	14 AA			
H.6.	Group of measures – improving the infrastructure and working conditions of the Academy of Agriculture	x	2027	Average score estimate of employee satisfaction with working conditions	9.0 (out of 10 points)	To take care of the infrastructure of the faculty and the improvement of working conditions		9.0 (out of 10 points)	Dean, heads of departments	7.5 AA			

H.6.1.	To carry out an assessment of the use of various types of laboratories and draw up a calendar plan for their (and equipment) renewal	x	Annually	Prepared plan	1	To carry out an assessment of the auditoriums and create a calendar plan for renewing them and the equipment		According to needs	Dean, heads of departments				
H.6.2.	Renovation of science laboratories and acquisition of equipment necessary for innovative studies according to the needs of study programs	3.1.1. 2	Continuously	Agriculture Academy - number of renovated laboratories	Agriculture Academy - according to the renewal plan	According to the needs of the study programs, to purchase equipment necessary for innovative studies		Continuously	Dean, heads of departments				