

APPROVED BY  
Order No. V3-S-1 of the Senate of  
Kaunas University of Technology  
30 January 2025

## **2025 REGULATIONS OF ADMISSION TO THIRD CYCLE STUDIES AT KAUNAS UNIVERSITY OF TECHNOLOGY**

### **CHAPTER I GENERAL PROVISIONS**

1. The 2025 Regulations of Admission to Third Cycle Studies at Kaunas University of Technology (hereinafter – Regulations) establish a procedure under which applicants are admitted to the full-time third cycle (hereinafter – doctoral studies) study programmes of science fields coordinated by Kaunas University of Technology (hereinafter – University) (when the University provides doctoral studies in the relevant field alone or jointly with institutions of joint doctoral studies) in 2025. In 2025, applicants to the full-time doctoral study programmes of the science/artistic fields which are not coordinated by the University are admitted under the admission regulations approved by the institutions coordinating the relevant science/artistic fields.

2. In 2025, the University will admit candidates to doctoral studies in 16 science fields coordinated by the University and 5 science/artistic fields not coordinated by the University. The list of the science/artistic fields of doctoral studies coordinated and not coordinated by the University is provided in Appendix 1 to the Regulations. The 2025 list of dissertation topics is approved by the Order of the Vice-Rector for research of the University following the Regulations on the Doctoral Studies of Kaunas University of Technology and the Regulations on the Research/Artistic Doctoral Studies of the Institutions of Joint Doctoral Studies.

3. The applicants can apply to state-funded and state-non-funded positions of studies. The rights and obligations of all the applicants are equal (except for the amounts of fees). The applicants repeatedly studying in doctoral studies are not eligible for a state-funded position if more than half of their doctoral studies was funded by the state budget of the Republic of Lithuania.

4. Admission to doctoral studies is conducted under the procedure of open competition. The following stages constitute the admission procedure:

- 4.1. submission and registration of the admission documents;
- 4.2. participation in an interview with the doctoral committee of the science field;
- 4.3. signing of the learning agreement.

5. The admission to doctoral studies is organised and conducted by the Doctoral School of the University (email at [doktorantura@ktu.lt](mailto:doktorantura@ktu.lt); [phd@ktu.lt](mailto:phd@ktu.lt)). Information regarding the admission of the applicants is announced on the University website (at <https://stojantiesiems.ktu.edu/doktorantura> and <https://admissions.ktu.edu/phd/>) and the websites of the institutions of joint doctoral studies.

### **CHAPTER II SUBMISSION AND REGISTRATION OF THE ADMISSION DOCUMENTS**

6. The applicants can participate in the competition for admission to doctoral studies by submitting their application and other required documents. Submission and registration of the documents is performed under the procedure and within the deadlines indicated in the Regulations.

7. The documents of the applicants to the University's study positions listed in Paragraph 8 of the Regulations can only be submitted online (electronic application form) via the University information system for admission to doctoral studies (the applicants to joint doctoral studies submit their applications to the institutions of joint doctoral studies).

8. The applicants to doctoral studies have to submit the following documents:

8.1. An application indicating the science field (maximum two), the topic (maximum two in the science field) and the form of funding;

8.2. Copies of the Master's (as well as Bachelor's for those applying to the science fields indicated in Appendix 2 to the Regulations) or equivalent qualification diploma(s) with diploma supplement(s) (only the final diplomas and diploma supplements are submitted; provisional degree certificates are not accepted instead of these documents). The following additional requirements apply:

8.2.1. Those applicants who have defended their Master's theses in Lithuania, Latvia and Estonia in 2025 (higher education qualifications issued in Latvia and Estonia are automatically recognised in Lithuania since 2019) but have not yet received their Master's diplomas and diploma supplements prior to the document submission deadline specified in Paragraph 31.2 of the Regulations can instead submit an academic transcript of the results of their Master's studies from the institution where they have defended their Master's theses when submitting their admission documents (upon the receipt of the Master's diploma and diploma supplement, the applicants must submit copies of these documents as soon as possible, within 1–2 working days at the latest);

8.2.2. Those applicants who have obtained their education abroad must enclose a certificate of academic qualification recognition in the Republic of Lithuania (if this document is not submitted, the applicant's application will not be considered);

8.3. A curriculum vitae;

8.4. Recommendations by two scientists of the relevant science field (a recommendation of the supervisor of the topic to which the applicant is applying is required in the science fields specified in Appendix 2 to the Regulations; if the applicant is applying to the positions of doctoral studies funded under the invitation to doctoral studies under the competition of the Research Council of Lithuania, a recommendation of the supervisor of the topic to which the applicant is applying is required). The recommendations have to be prepared in the calendar year when the applicant's application is being submitted. A recommendation has to expressly specify the institution and the science field to which the applicant is recommended;

8.5. A research proposal on the selected topic (only in the science fields indicated in Appendix 2 to the Regulations); if the applicant applies to two topics, two individual research proposals have to be submitted;

8.6. A list of scientific works (articles in scientific publications and conference proceedings) with a full bibliographic description and copies thereof; if such scientific works cannot be presented (except for the Informatics Engineering science field, see Appendix 2 to the Regulations), the applicant is required to submit a research paper on a topic consistent with the dissertation topic indicated in the applicant's application (if the applicant applies to two thematic areas, two individual research papers have to be submitted);

8.7. A copy of a valid personal document: a passport (for the citizens of all countries) or an ID card (applicable only for the citizens of the European Union countries);

8.8. A copy of the receipt of the application fee payment;

8.9. A certificate issued by IELTS, TOEFL, CEFR or any other competent institution within the last 2 (two) years which certifies the level of the English language skills. Certificates indicating the level of the English language which have been obtained after completing English language training via various mobile apps (for example, Duolingo, Babbel, LinguaLift, etc.) shall not be accepted. This certificate is not required if, instead of the certificate, the applicant submits the following:

8.9.1. A diploma supplement of the first or second cycle studies (or another graduation document issued by a higher education institution) indicating that at least half of the credits specified in the diploma supplements were completed in the English language;

8.9.2. A diploma supplement of the first or second cycle studies indicating that the applicant has studied a study subject of the English language (in this case, a diploma supplement has to specify the level of the English language);

8.10. Consent for the processing of the applicant's personal data by the University.

9. An application is considered accepted (registered) if the application form contains the correct data of the individual, his/her acquired education, research activities, the evaluations of all the first cycle (if also stipulated by Appendix 2 to the Regulations, the submission of a Bachelor's diploma in the relevant science field) and second cycle study subjects, the application contains at least one specified science field and the preferred topic, and all the digital copies of the required documents have been submitted.

10. If any required documents are not submitted within the deadlines set out in Paragraph 31 of the Regulations, the application shall not be considered.

11. The preferences in the application are listed in a descending order of priorities. Indication of the science field, the topic, and the type of funding of studies is considered a preference.

12. An applicant can edit the application before it has been accepted (approved). Editing includes changes, additions or deletions of a science field, changes in the order of topics and the type of funding in the list of preferences. If the application is edited and the indicated preferences are altered, the latest revision of the application shall be deemed the valid one.

13. Any documents issued in languages other than Lithuanian or English have to be translated into one of these languages and approved under the procedure stipulated by the Law of the Republic of Lithuania.

14. If the education documents of the applicants have been issued by a foreign institution, the academic recognition of the qualification, the identification of the equivalent study subjects and their transfer into the Lithuanian evaluation system are required. The following requirements apply in this case:

14.1. The recognition of the education documents of the applicants to the University's study positions is performed by the University under the procedure set out by the University upon the receipt of the documents required for the recognition of qualification within the deadline set out in Paragraph 31.1 of the Regulations: the application for the recognition of qualification, together with a copy of the applicant's identity document (citizens of the third countries (i.e., all countries which are not members of the European Union) are required to submit a copy of the passport), the Bachelor's diploma and diploma supplement(s), the Master's diploma and diploma supplement(s) (provisional degree certificates may be submitted for the procedure of the recognition of qualification if the study process is not complete at the time of submission or if the document certifying the qualification is not awarded immediately after graduation. If the admission documents specified in Paragraph 31.2 are submitted, only the final documents certifying the qualification and the supplements thereof are submitted). The documents submitted for the procedure of the recognition of qualification must comply with the requirements specified on the University website <https://stojantiesiems.ktu.edu/doktorantura/#issilavinima-igijusiems-uzsienyje> and <https://admissions.ktu.edu/phd/#academic-recognition>;

14.2. The recognition of the education documents of the applicants to joint doctoral studies is conducted by the institutions of joint doctoral studies (if they are entitled to this), or else the candidates can individually apply to the Centre for Quality Assessment in Higher Education.

15. If the employees of the University's Doctoral School (in the case of joint doctoral studies – the persons responsible for receiving documents at the institutions of joint doctoral studies) or the members of the doctoral committee of the study field have any doubts regarding the authenticity of the documents, or in the case of any discrepancies between the submitted documents and the data obtained from databases, the applicant may be requested to submit the original documents.

16. An applicant cannot change the order of preferences in the application after he/she has been invited to study.

### **CHAPTER III COMPOSITION AND CALCULATION OF THE COMPETITION SCORE**

17. The applicants are admitted to doctoral studies in the science field under the procedure of competition according to their compliance with the requirements for the science field and their competition score.

18. The admission requirements and the minimum competition scores for admission to state-funded and state-non-funded doctoral studies are provided in Appendix 2 to the Regulations. All the applicants have to comply with the main and additional admission requirements.

19. The competition score is a numerical expression of the components of the competition score calculated for each applicant in each science field. It consists of the sum of the components of the competition score multiplied by weighted coefficients. The values of the weighted coefficients, as determined by the doctoral committees of the science fields, are provided in Appendix 3 to the Regulations.

20. The competition score for admission to doctoral studies of the science field for both state-funded and state-non-funded positions is composed according to the same principles.

21. The applicants are assigned a position in the competition queue of each science field or a topic of the science field in a decreasing order according to their competition score, if applicable. When the doctoral committees of the science fields assign the available positions of the University's state-funded doctoral studies to the topics, a competition queue is formed for each topic which has an indicated number of state-funded positions of doctoral studies. In other cases, there is one competition queue for one science field.

22. The components of the competition score for the admission to doctoral studies ( $KB_D$ ) are the following:

22.1. A weighted grade point average of the Master's diploma supplement ( $V_S$ ) or equivalent education (as well as the Bachelor's diploma if it is stipulated for the relevant science fields in Appendix 3 to the Regulations) in a ten-point grading system. The information for the calculation of the grade point average of the applicant's diploma supplement is obtained from the relevant education documents;

22.2. Evaluation of the research experience ( $M_m$ ) in the ten-point grading system. The evaluation of the research experience includes the applicant's scientific publications or (a) research paper(s), other research experience, scientific qualifications, relevance of the scientific publications and research experience to the topic of doctoral studies;

22.3. Evaluation of the recommendations by scientists ( $M_r$ ) in the ten-point grading system. The evaluation of the recommendations by scientists includes their validity and objectivity;

22.4. Evaluation of the research proposal on the selected topic ( $M_t$ ) in the ten-point grading system. The evaluation includes its originality, the applicant's knowledge of the topic, and the ability to formulate ideas;

22.5. Evaluation of the interview ( $M_d$ ) in the ten-point grading system. The evaluation of the interview includes the demonstrated understanding of the scientific problems in the science field the applicant is applying to, his/her motivation, and the ability to formulate answers (the English language skills shall also be considered).

23. The weighted grade point average of the evaluations in the Master's (and Bachelor's, if it is stipulated for the relevant science fields in Appendix 3 to the Regulations) diploma supplement(s) ( $V_S$ ) in the ten-point grading system is calculated as follows:

$$V_S = \frac{\sum_{i=1}^n DP_i \cdot k_i}{\sum_{i=1}^n k_i};$$

where  $DP_i$  is a score for the subject  $i$  listed in the higher education diploma supplement in the ten-point grading system;  $k_i$  is the volume of that subject in credits;  $n$  is the number of the subjects listed in the higher education diploma supplement.

23.1. If the volume of the subjects is not specified in credits in the Master's (as well as Bachelor's if it is stipulated for the relevant science fields in Appendix 3 to the Regulations) diploma supplement, the arithmetical average of the evaluations of the subjects of the diploma supplement is used when calculating the competition score;

23.2. Evaluations in the five-point grading system are converted into the ten-point grading system and only then included in the calculation;

23.3. If a diploma supplement contains subjects evaluated as credits or without any specified evaluations, they are not included in the calculation of the weighted grade point average and the competition score;

23.4. If the applicant's education documents use a different evaluation system than the one commonly used in the Lithuanian education system, the evaluations of the subjects listed in the diploma supplement are converted to the Lithuanian evaluation system.

24. The procedure for the preparation and evaluation of the research paper (in case there are no scientific publications) is provided in Appendix 4 to the Regulations.

25. The procedure for the preparation and evaluation of the research proposal on the selected topic is provided in Appendix 5 to the Regulations.

26. The procedure for the evaluation of research experience is provided in Appendix 6 to the Regulations and the procedure, areas, and criteria for the evaluation of the motivation interview are provided in Appendix 7 to the Regulations.

27. The competition score ( $KB_D$ ) is calculated as a sum of multiplications of the component competition scores in the ten-point grading system by applying the weighted coefficients indicated in Appendix 3 to the Regulations, i.e.,

$$KB_D = \sum_{j=1}^m EP_j EK_j$$

where  $EP_j$  is the score of the competition component  $j$  ( $V_s$ ,  $M_m$ ,  $M_r$ ,  $M_t$  and  $M_d$ ) in the ten-point grading system;  $EK_j$  is the weighted coefficient of the competition component  $j$ ;  $m$  is the number of the competition components included in the competition score.

28. If several applicants collect an equal competition score, the higher position in the competition queue (in the order of priorities) is assigned to the applicant who has:

28.1. a higher evaluation of the research experience;

28.2. a higher weighted grade point average of the grades of the Master's diploma supplement;

28.3. a higher evaluation of the Master's thesis or the final examination(s). The doctoral committee of the science field makes the final decision.

## **CHAPTER IV COMPETITION FOR ADMISSION TO DOCTORAL STUDIES**

29. The admission process is conducted in several stages: the main admission to doctoral studies coordinated by the University is organised on the dates set out in Paragraph 31 of the Regulations; the admission to doctoral studies not coordinated by the University is organised on the dates approved by the institutions coordinating the science/artistic fields. Additional admission(s) is/are organised if there are remaining vacant state-funded and/or state-non-funded positions. The applicants who were not successful in the main admission and intend to participate in the additional admission have to repeatedly submit an application with the required documents for participation in the competition and repeatedly pay the application fee.

30. The applicants are required to attend the interview with the doctoral committee of the science field to which they apply. If the applicant, who has submitted all the documents set out by the Regulations does not attend the interview, his/her admission documents are no longer considered and assessed by the doctoral committee of the science field (in this case, the final decision is made by the doctoral committee of the science field).

31. The dates of the main admission to doctoral studies coordinated by the University are the following:

No.	Procedures of admission to doctoral studies	Dates (all deadline hours use the time zone of Lithuania)
1.	Submission of documents for the recognition of qualification(s) obtained abroad in Lithuania (for applicants who have obtained their education in a foreign higher education institution and do not have a document confirming the recognition of their diploma in Lithuania)	1–15 April 2025 (until 17:00)
2.	Submission, registration and administrative verification of admission documents	5–20 June 2025 (until 15:00)
3.	Revision of admission documents after administrative verification	Until 23 June 2025, 14:00
4.	Submission of appeals regarding the incorrect evaluation of the admission documents and announcement of verdicts	25 June 2025: 8:00–10:00 submission of appeals 16:00 announcement of verdicts
5.	Interviews with the doctoral committees of science fields	26–30 June 2025
6.	Information to the applicants regarding the final results of the competition in the admission information system of the University (the institutions of joint doctoral studies notify their applicants in person)	30 June 2025, from 17:00
7.	Submission of appeals regarding the admission results and announcement of verdicts	1 July 2025: 8:00–10:00 submission of appeals 16:00 announcement of verdicts
8.	Information to the applicants regarding the final results of the competition in the admission information system of the University (the institutions of joint doctoral studies notify their applicants in person)	2 July 2025, 9:00
9.	Signing of agreements with the applicants invited to doctoral studies	3-4 July 2025, 9:00–16:00

32. The invitation to study depends on the priorities listed in the applicant's application, the competition score, and the competition queue for admission to doctoral studies.

33. The competition queues are announced in the admission system (the institutions of joint doctoral studies notify their applicants in person). The applicants are considered to be invited to state-funded doctoral studies if their competition score is the highest in the competition queue and they are within the established quota of the study positions.

34. The individuals are considered to be admitted after they have signed the learning agreement with the University and have been admitted to studies by the order of the head of the institution.

35. Reasoned written appeals regarding the incorrect evaluation of admission documents and admission results are submitted to the University's Doctoral School within the deadlines set out in the Regulations. The received appeals are examined, and the decisions are made by the doctoral committee of the respective science field. The appeals are examined only if they are reasonably grounded and based on objective facts. The responses to the applicants are prepared and provided by the University's Doctoral School based on the decision of the doctoral committee of the respective science field.

36. In all the cases not specified in the Regulations, it is the doctoral committee of the science field who makes the decision(s).

37. If the doctoral committee of any science field determines that the list of the modules of the applicant's main studies is insufficient in volume, or if some of his/her acquired skills are insufficient, the committee may indicate the modules of non-doctoral studies that the applicant is additionally required to study during the first year of doctoral studies. The applicant pays for the additional study modules.

38. The individuals invited to study are required to conclude a learning agreement within the set deadlines. The agreement is only signed with the invited persons who have submitted copies of their diploma and diploma supplement(s) of Master's studies or equivalent qualification.

39. The learning agreement with the University is concluded electronically via the University information system for concluding electronic learning agreements. The individuals signing the agreement identify themselves via the e-Government Gateway or in person by arriving at the University's Doctoral School and presenting a valid identity document (a passport for citizens of all countries, or an identity card (applicable for citizens of the European Union only)). The individuals who are physically located in foreign countries on the dates set for the signing of the agreements and who cannot identify themselves via the e-Government Gateway are identified by an employee of the Doctoral School using remote communication. At the beginning of their studies, the admitted applicants must come in person to the University's Doctoral School to register for their studies and present (show) the original documents specified in the application. Upon admission to a study position of joint doctoral studies, the agreement is signed at the institution of joint doctoral studies to which the person has been invited to study under the procedure set out by the institution.

40. If any invited applicants do not conclude their learning agreements within the deadlines set out by the Regulations, their invitation to study at the University is rendered invalid, and, by the decision of the doctoral committee of the science field, the next applicants in line, i.e., those who have the highest competition score and initially were not invited to study, are invited to take the vacant positions, or else these positions are transferred to the next stage of admission.

## **CHAPTER V FEES**

41. After the submission of the application for participation in the competition for admission to studies, the applicant has to pay the application fee within the set deadline. The application shall not be examined if the application fee has not been paid.

42. The amounts of application fees and the details of the University's bank accounts for payment are provided in Appendix 8 to the Regulations. The applicants to the positions of joint doctoral studies pay the application fee to the bank account of the institution to which they submit the admission application.

43. Any natural person or legal entity can pay the application fee for an applicant, but it is necessary to indicate the correct data of the payment: the applicant's name, surname, personal identification number and the payment purpose, as specified in Appendix 8 to the Regulations. If the provided data are incorrect, the payment will not be credited.

44. The applicants who have lost both of their parents or guardians as well as the applicants who grew up in orphanages, provided they were born in 2000 or later, and also the applicants whose level of working capacity is 45% or lower are exempted from the application fee. These applicants have to submit their application with the documents certifying that they qualify to this exemption.

45. The application fee is non-refundable after the submission of the application for participation in the competition for the admission to doctoral studies (it is also applicable in cases when the applicant decides not to continue in the competition after submitting the application).

46. If an applicant signs a learning agreement for a state-non-funded position, a tuition fee for doctoral studies has to be paid within the deadlines specified in the learning agreement. The details for the payment of the tuition fee are provided in Appendix 8 to the Regulations.

47. The annual fee of the doctoral studies for the applicants who have been admitted to state-non-funded positions is approved by the decree of the University Senate when the University receives the information regarding the number of state-funded positions of doctoral studies for 2025 and announced on the University website at <https://stojantiesiems.ktu.edu/doktorantura> and <https://admissions.ktu.edu/phd/>. The tuition fee for joint doctoral studies for the persons admitted to state-non-funded positions is approved and announced under the procedure set out by the institutions of joint doctoral studies.

**CHAPTER VI**  
**FINAL PROVISIONS**

48. The Regulations can be amended or revoked by the decree of the Senate of the University.
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**LIST OF THE SCIENCE/ARTISTIC FIELDS OF DOCTORAL STUDIES COORDINATED  
AND NOT COORDINATED BY KAUNAS UNIVERSITY OF TECHNOLOGY**

Field code	Science/artistic field	Institutions of joint doctoral studies	Form and duration of studies
<b>FIELDS OF RESEARCH DOCTORAL STUDIES COORDINATED BY THE UNIVERSITY</b>			
<b>AREA OF NATURAL SCIENCES</b>			
N001	Mathematics	With the participation of the University of Gottingen and Charles University	Full-time studies, 4 years
N002	Physics	With the participation of the University of Southern Denmark	
N003	Chemistry	-	
N009	Informatics	Vytautas Magnus University, Vilnius Gediminas Technical University	
<b>AREA OF TECHNOLOGIES</b>			
T001	Electrical and Electronics Engineering	-	Full-time studies, 4 years
T002	Civil Engineering	-	
T004	Environmental Engineering	Vytautas Magnus University, Lithuanian Energy Institute	
T005	Chemical Engineering	-	
T006	Energy and Thermal Engineering	Lithuanian Energy Institute	
T007	Informatics Engineering	Vilnius Gediminas Technical University	
T008	Materials Engineering	-	
T009	Mechanical Engineering	Vytautas Magnus University	
T010	Measurement Engineering	-	
<b>AREA OF SOCIAL SCIENCES</b>			
S003	Management	-	Full-time studies, 4 years
S004	Economics	Klaipėda University, Lithuanian Energy Institute	
<b>AREA OF HUMANITIES</b>			
H003	History and Theory of Arts	-	Full-time studies, 4 years
<b>SCIENCE/ARTISTIC FIELDS OF DOCTORAL STUDIES NOT COORDINATED BY THE UNIVERSITY</b>			
<b>AREA OF TECHNOLOGIES</b>			
T003	Transport Engineering	Vilnius Gediminas Technical University (coordinating institution), Vytautas Magnus University, Klaipėda University	Full-time studies, 4 years
<b>AREA OF SOCIAL SCIENCES</b>			
S002	Political Sciences	Vytautas Magnus University (coordinating institution), General Jonas Žemaitis Military Academy of Lithuania, Klaipėda University	Full-time studies, 4 years
S005	Sociology	Vytautas Magnus University (coordinating institution), Lithuanian Social Research Centre	

S007	Educology	Lithuanian Sports University (coordinating institution), Vilnius University	
<b>AREA OF VISUAL ARTS</b>			
V001	Architecture	Vilnius Academy of Arts (coordinating institution)	Full-time studies, 4 years

**ADMISSION REQUIREMENTS AND MINIMUM COMPETITION SCORES FOR  
ADMISSION TO DOCTORAL STUDIES**

Field code	Science field	Minimum competition score	Main admission requirements	Additional admission requirements*
<b>FIELDS OF RESEARCH DOCTORAL STUDIES COORDINATED BY THE UNIVERSITY</b>				
<b>AREA OF NATURAL SCIENCES</b>				
N001	Mathematics	7	Master's qualification degree or equivalent higher education	1. Diploma and diploma supplement of the Bachelor's qualification degree. 2. Research proposal on the selected topic.
N002	Physics	7.5	Master's qualification degree or equivalent higher education	1. Diploma and diploma supplement of the Bachelor's qualification degree. 2. One of the submitted recommendations by scientists has to be written by the supervisor of the topic. 3. Research proposal on the selected topic.
N003	Chemistry	7.5	Master's qualification degree or equivalent higher education	1. Diploma and diploma supplement of the Bachelor's qualification degree. 2. One of the submitted recommendations by scientists has to be written by the supervisor of the topic. 3. The sum of ECTS credits for the subjects in the fields of Chemistry and Chemical Engineering completed during the first and second cycle University studies is $\geq 30$ .
N009	Informatics	7	Master's qualification degree or equivalent higher education	-
<b>AREA OF TECHNOLOGIES</b>				
T001	Electrical and Electronics Engineering	7.5	Master's qualification degree or equivalent higher education	Research proposal on the selected topic.
T002	Civil Engineering	8	Master's qualification degree or equivalent higher education	1. One of the commendations by scientists has to be written by the supervisor of the topic. 2. Research proposal on the selected topic.
T004	Environmental Engineering	7	Master's qualification degree or equivalent higher education	-
T005	Chemical Engineering	8	Master's qualification degree or equivalent higher education	1. Diploma and diploma supplement of the Bachelor's qualification degree. 2. One of the submitted recommendations by scientists has to be written by the supervisor of the topic. 3. The sum of ECTS credits for the subjects in the fields of Chemistry and Chemical Engineering completed during the first and second cycle University studies is $\geq 30$ .

T006	Energy and Thermal Engineering	8	Master's qualification degree or equivalent higher education	-
T007	Informatics Engineering	7	Master's qualification degree in the fields of Physics, Mathematics or Informatics in the study fields of Technologies or Natural Sciences	1. One of the submitted recommendations by scientists has to be written by the supervisor of the topic, including the supervisor's written agreement to supervise the applicant if the applicant is invited to study. 2. The applicants must have at least one scientific publication published or admitted for publication, and a copy of the publication(s) has to be submitted; otherwise, the application is not considered. 3. Research proposal on the selected topic.
T008	Materials Engineering	7.5	Master's qualification degree or equivalent higher education	1. Diploma and diploma supplement of the Bachelor's qualification degree. 2. One of the submitted recommendations by scientists has to be written by the supervisor of the topic.
T009	Mechanical Engineering	8	Master's qualification degree or equivalent higher education	1. The weighted grade point average (Vs) of the evaluations recorded in the Master's diploma supplement has to be at least 8.0. 2. One of the submitted recommendations by scientists has to be written by the supervisor of the topic.
T010	Measurement Engineering	7.5	Master's qualification degree or equivalent higher education	Research proposal on the selected topic.
<b>AREA OF SOCIAL SCIENCES</b>				
S003	Management	8	Master's qualification degree or equivalent higher education	1. A written motivation letter in which the applicant justifies his/her motivation to apply to doctoral studies. 2. One of the submitted recommendations by scientists has to be written by the supervisor of the topic. 3. Research proposal on the selected topic.
S004	Economics	8	Master's qualification degree or equivalent higher education	1. Research paper (40,000 to 60,000 characters (including spaces)). 2. One of the submitted recommendations by scientists has to be written by the supervisor of the topic.
<b>AREA OF HUMANITIES</b>				
H003	History and Theory of Arts	8	Master's qualification degree or equivalent higher education	Research proposal on the selected topic.

\* All the applicants have to meet the main and additional admission requirements.

**SELECTION CRITERIA AND THEIR WEIGHTED COEFFICIENTS**

No.	Science field, code	Weighted grade point average of the diploma supplement (Vs)	Research experience (M <sub>m</sub> )	Research proposal in the selected topic (M <sub>r</sub> )	Recommendations by scientists (M <sub>r</sub> )	Interview, including evaluation of the knowledge of a foreign language (M <sub>a</sub> )
1.	Mathematics, N001	0.31 <sup>1</sup>	0.35	0.05	0.05	0.25
2.	Physics, N002	0.35 <sup>1</sup>	0.4 <sup>2</sup>	0.1	0.05	0.1
3.	Chemistry, N003	0.4	0.3	-	0.05	0.25
4.	Informatics, N009	0.45	0.25	-	0.05	0.25
5.	Electrical and Electronics Engineering, T001	0.3	0.3	0.15	-	0.25
6.	Civil Engineering, T002	0.40	0.35	0.1	-	0.15
7.	Environmental Engineering, T004	0.5	0.3	-	-	0.2
8.	Chemical Engineering, T005	0.4	0.3 <sup>3</sup>	-	0.05	0.25
9.	Energy and Thermal Engineering, T006	0.3	0.4	-	0.05	0.25
10.	Informatics Engineering, T007	0.3	0.4 <sup>4</sup>	0.1	-	0.2
11.	Materials Engineering, T008	0.35 <sup>1</sup>	0.55	-	0.05	0.05
12.	Mechanical Engineering, T009	0.45	0.3	-	0.05	0.2
13.	Measurement Engineering, T010	0.35	0.4	0.05	-	0.2
14.	Management, S003	0.3	0.3	0.15	-	0.25
15.	Economics, S004	0.35	0.35	-	0.05	0.25
16.	History and Theory of Arts, H003	0.2	0.50 <sup>5</sup>	0.15	-	0.15

<sup>1</sup> The weighted point grade average of the Bachelor's diploma supplement is evaluated by **0.1 points**; the weighted point grade average of the Master's diploma supplement is evaluated by **0.2 points** (in the science field of Mathematics) **or 0.25 points** (in the science fields of Physics and Materials Engineering).

<sup>2</sup> Research experience is evaluated as follows: publications (in the editions referred in the *Clarivate Analytics Web of Science* database, conference proceedings) and research experience (participation in research projects, research(es) funded by the Research Council of Lithuania or other institutions, winners of competitions organised by the Lithuanian Academy of Sciences or other scientific and innovation organisations, oral or poster presentations at national and international conferences).

<sup>3</sup> Research experience is evaluated as follows: scientific publications or a research paper, other research experience, scientific qualifications, relevance of scientific publications and research experience to the topic of doctoral studies.

<sup>4</sup> Research experience is evaluated as follows: publications evaluated according to the current description of the annual evaluation of research and experimental development and artistic activities of universities and science institutes approved by the Order of the Minister of Education, Science and Sport of the Republic of Lithuania, other research experience and scientific qualifications, relevance of scientific publications and research experience to the topic of doctoral studies.

<sup>5</sup> Research experience to be evaluated by **0.35 points**: publications evaluated in points according to the current description of the annual evaluation of research and experimental development and artistic activities of universities and science institutes approved by the Order of the Minister of Education, Science and Sport of the Republic of Lithuania, or a research paper.

Other research experience to be evaluated by **0.15 points** (participation in research projects, conferences, publications prepared and submitted for printing, preparation of lectures, etc.) and relevance of the scientific qualification to the topic of doctoral studies.

## **PROCEDURE FOR THE PREPARATION AND EVALUATION OF THE RESEARCH PAPER**

1. A research paper on the topic specified in the application is required to be an individual paper demonstrating the applicant's theoretical and methodological knowledge as well as research experience in the topic to which he/she applies, skills of critical thinking, originality of the ideas, and ability to conduct research work. A Bachelor's or Master's final degree project or other written work from previous studies cannot be submitted instead of a research paper.

2. An applicant guarantees that the submitted research paper is an original work, and that no copyrights of the third parties have been violated in the preparation of the research paper. An applicant must also give assurances that the paper does not contain any confidential information or any information which is subject to the publishing restrictions set out by the legislation of the Republic of Lithuania.

3. The research paper is prepared according to the following recommended requirements:

3.1. The volume of the research paper is approximately 30,000 characters (including spaces), i.e., approximately 10 pages;

3.2. The text is written in 12 pt., Times New Roman font, 1.5 line spacing, either in the Lithuanian or in the English language;

3.3. The title of the research paper has to comply with the dissertation topic specified in the application;

3.4. The research paper has to include the following sections:

A. Introduction: a summarised description of the relevance and significance of the research which contains the formulated scientific problem, the aim, the objectives, and the expected results;

B. Literature review: a review of the most recent sources of scientific literature (research papers, monographs, patents) on the dissertation topic is provided, identifying how the planned research would contribute to creating new knowledge;

C. Research methodology: potential research methods or methodology are defined, describing how the applicant plans to obtain and analyse the data;

D. List of references: a list of references used for the preparation of the research paper is provided. All the literature indicated in the list of references has to be quoted/referred to in the paper.

4. The research paper can be checked by the similarity checking system *Turnitin* used by Kaunas University of Technology which serves to identify similarities in the submitted document with the texts published online and in the databases of academic publishers, as well as with the documents previously uploaded to the system; it recognises possible cases of fraud in text formatting. The generated percentage of similarity and a summary of the originality report are forwarded to the doctoral committee of the science field.

5. The research paper is evaluated by the members of the doctoral committee of the science field. The arithmetic average of their evaluation scores is the final score of the applicant's research paper which is rounded to the nearest whole number. The highest possible evaluation score is 10 points.

## **PROCEDURE FOR THE PREPARATION AND EVALUATION OF THE RESEARCH PROPOSAL**

1. A research proposal is prepared for each dissertation topic specified in the application (for example, two research proposals are prepared if a candidate is applying for two topics).
2. The research proposal is intended for the evaluation of the applicant's theoretical knowledge of the topic to which he/she applies, the skills of critical thinking, the originality of the expressed ideas, and the ability to outline ideas.
3. The applicant ensures that the submitted research proposal is an original work prepared independently, and takes responsibility for making sure that, in the course of preparing the research proposal, he/she does not infringe the copyrights of any third parties, does not include any sensitive information or information subject to publication restrictions set out in the legislation of the Republic of Lithuania.
4. The research proposal is prepared according to the following recommended requirements:
  - 4.1. The volume of the research proposal is up to 6,000 characters (including spaces), i.e., approximately 2 pages;
  - 4.2. The text is written in 12 pt., Times New Roman font, 1.5 line spacing, either in the Lithuanian or in the English language;
  - 4.3. A research proposal contains a summarised description of the relevance of the research proposed in the specified topic, the formulated scientific problem, the aim and objectives of the research, its significance and the expected results, the intended procedure and methodology of the planned research, the reliability of the data, the methods of obtaining and analysing the data.
5. An applicant's research proposal is submitted for the comments and proposed evaluation (in points) by the supervisor of the dissertation topic/thematic area to which the applicant applies before the hearing of the meeting of the doctoral committee of the science field.
6. The research proposal can be verified by the similarity check system *Turnitin* used by Kaunas University of Technology, which identifies similarities in the submitted document with texts published in the global network and the academic publishers' databases, as well as with documents previously uploaded to the system, and recognises possible cases of fraud in text formatting. The generated percentage of similarities and a summary of the originality report are forwarded to the doctoral committee of the science field.
7. The members of the doctoral committee of the science field evaluate the applicant's research proposal while taking into consideration the comments and the proposed evaluation by the supervisor of the topic/thematic area.
8. The arithmetic average of the evaluation scores of the members of the doctoral committee of the science field who have evaluated the research proposal is the final score for the applicant's research proposal; the average is rounded to the nearest whole number. The highest possible evaluation score is 10 points.



## PROCEDURE FOR THE EVALUATION OF RESEARCH EXPERIENCE

1. The evaluation of the research experience of the applicant to doctoral studies is conducted by the members of the doctoral committee of the science field to which the applicant applies.
2. The evaluation of the applicant's research experience is conducted at the time of admission to doctoral studies during the meeting of the doctoral committee of the science field.
3. The members of the doctoral committee of the science field independently evaluate the applicant's research experience under the procedure set out by the doctoral committee of the specific science field or based on the recommendations provided in Table 1.
4. The arithmetic average of the evaluation scores of the members of the doctoral committee of the science field evaluating the research experience is the final score for the applicant's research experience which is rounded to the nearest whole number. The highest possible evaluation score is 10 points.

**Table 1.** Types of research activities and their recommended scoring

Types of research activities	Recommended evaluation in points
a) A scientific paper in an international scientific publication with an impact factor in the <i>Clarivate Analytics Web of Science (CA WoS)</i> or <i>Elsevier Scopus (Scopus)</i> databases b) A scientific monograph or a part thereof published by an internationally recognised scientific publisher	9–10
a) A scientific paper in an international scientific publication (including <i>Clarivate Analytics Web of Science</i> conference proceedings) b) A scientific monograph or a part thereof published by another publisher	7–8
a) A scientific paper in another peer-reviewed publication b) Conference proceedings in the publications of international databases	5–6
a) A research paper b) Conference proceedings in non-peer-reviewed publications	3–5
Other research activities (participation in research projects and/or research, prizes in competitions, oral and/or poster presentations at conferences, participation in teaching activities, participation in the organising committee of a scientific conference, etc.)	1–4
Additional points awarded for the active involvement in research (considering the amount and variety of conducted research activities) and the relevance of the research activities to the chosen topic	1–2

**A scientific monograph** is a peer-reviewed and published publication which systematically and comprehensively analyses a single topic (subject), with clear and significant elements of novelty and scientific elements specific to each science field or area (previously unpublished and qualitatively new material must make up at least 20% of the volume of the publication); the minimum volume of a scientific monograph is 8 quires. If the monograph is published in Lithuanian or another less common language, it must have an abstract in English, French or German.

**A scientific paper** is a paper published in a peer-reviewed scientific journal, containing the scientific apparatus characteristic to the specific science field (footnotes and/or bibliography and/or formulae and/or drawings and/or description of methodology and/or statistical tables, etc.), and compliant with the criteria of scientific elements of that science field; the minimum creditable volume in the fields of humanities and social sciences is 0.25 quires.

**A peer-reviewed scientific publication** is a serial or one-off publication with an ISSN or ISBN number, in which scientific work is published based on peer-review that can be proven.

**An international scientific publication** is a peer-reviewed scientific publication referred in the international databases.

**An internationally recognised scientific publisher** is a publisher which continuously publishes and internationally distributes scientific papers by scientists from many countries, internationally recognised continuous publication, and provides online information about the nature and international recognition of the publisher. The list of such publishers is compiled and published by the Research Council of Lithuania.

## PROCEDURE, AREAS AND CRITERIA OF THE INTERVIEW EVALUATION

1. The evaluation of the interview of the applicant to doctoral studies is conducted by the members of the doctoral committee of the science field to which the applicant applies. Before the interview, the members of the doctoral committee read the submitted admission documents of each applicant.

2. An applicant's participation in the meeting for admission to doctoral studies of the doctoral committee of the science field is mandatory.

3. If the applicant has selected two science fields in the application, he/she has to participate in the meetings of the doctoral committees of both science fields where his/her motivation is evaluated separately.

4. The interview is conducted with each applicant individually. The supervisor of the topic/thematic area selected by the applicant is also allowed to participate in the interview with the applicant if the committee of the science field grants this right.

5. The duration of the interview with each applicant is established by the doctoral committee of the science field.

6. During the interview, questions are posed to the applicant according to the areas of the interview evaluation (Table 1). The members of the doctoral committee of the science field may pose additional questions for the evaluation of the applicant's motivation and his/her level/knowledge of the foreign (English) language.

7. The members of the doctoral committee of the science field evaluate the interview individually. The guidance criteria for the interview evaluation are provided in Table 2.

8. The arithmetic average of the evaluation scores of the members of the doctoral committee of the science field evaluating the interview is the final score for the applicant's motivation; the average is rounded to the nearest whole number. The highest possible evaluation score is 10 points.

**Table 1.** Areas of interview evaluation and their evaluation in points

Areas of the interview evaluation	Evaluation in points
1. Justification of the choice to undertake doctoral studies	0–2.5
2. Justification of the choice of the science field and dissertation topic/thematic area of the doctoral studies	0–2.5
3. The applicant's ability to discuss in the framework of research activities	0–2.5
4. The applicant's ability to discuss in the framework of research activities in a foreign language	0–2.5
Maximum total score:	10

**Table 2.** Criteria of interview evaluation and their evaluation in points

Criteria of the interview evaluation	Evaluation in points
The applicant delivers clear, precise and well-grounded answers to the provided questions; the answers are illustrated by specific examples and personal experience; the applicant presents a reasoned personal opinion and demonstrates proper language culture.	2.5

The applicant's answers lack clarity, accuracy, well-grounded arguments, specific examples and reasoned personal opinion; however, the deficiencies are minor, and the applicant demonstrates proper language culture.	1.5
The applicant's answers are not clear, precise or well-grounded, they are only vaguely related to the provided question(s); the answers contain general and standard phrases; the applicant demonstrates a medium or low level of the language culture.	0.5
The applicant fails to answer the provided question(s); the answers are not related to the provided question(s).	0