

2026/2027.

THE CALL



FACULTY OF TECHNOLOGY AND METALLURGY

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**UNIVERSITY OF
BELGRADE**

STUDY PROGRAMME FOR WHICH A CALL HAS BEEN ANNOUNCED:

Doctoral academic studies:

- Environmental Engineering in English (180 ECTS)
- Metallurgical Engineering in English (180 ECTS)
- Chemical Engineering in English (180 ECTS)
- Materials Engineering in English (180 ECTS)
- Biochemical Engineering and Biotechnology in English (180 ECTS)
- Chemistry in English (180 ECTS)

NUMBER OF STUDENTS:

Study Program	Budget	Self-financing
Environmental Engineering (in English)	0	4
Metallurgical Engineering (in English)	0	1
Chemical Engineering (in English)	0	2
Materials Engineering (in English)	0	7
Biochemical Engineering and Biotechnology (in English)	0	3
Chemistry (in English)	0	3

SPECIAL CONDITIONS FOR ENROLLMENT:

A person who has:

- completed undergraduate academic and master academic studies, or integrated studies with at least 300 ECTS credits, or completed at least four-year studies according to the regulations that were valid before the enactment of the Law on Higher Education ("Official Gazette of the Republic of Serbia", No. 76/05, 100/07 - authentic interpretation, 97/08, 44/10, 93/12, 89/13, 99/14, 45/15 - authentic interpretation, 68/15 and 87/16) and an overall average grade of at least 8 can apply for admission to doctoral studies.
- completed undergraduate academic and master academic studies, or integrated academic studies with at least 300 ECTS credits and an overall average grade of less than 8 if they have completed scientific papers from scientific areas of the study program published in journals from the list of the relevant ministry before enrolling in doctoral studies and achieving at least 3 points in scientific papers from categories M21a+-M24, M31, M33, M51-M53, M61 and M63, which are defined by the Regulation on the Acquisition of Research and Scientific Titles ("Official Gazette of the Republic of Serbia", No. 80/2024-17 and 70/2025-36).

It is also necessary that candidates have completed previous studies in one of the following areas:

- all areas in the field of technical and technological sciences,
- chemical sciences,
- environmental sciences,

- physical sciences,
- physical and chemical sciences,
- pharmaceutical sciences
- medical sciences,
- biological sciences.

If candidates have not completed the previous level of studies in any of the listed fields, the possibility of enrollment may be considered upon review and analysis of the completed study programs with the candidate's request submitted to the Faculty no later than one month before the beginning of the first enrollment period.

A person who has acquired the academic title of Master of Science according to the regulations that were valid until the enactment of the Law on Higher Education exercises the right to enroll in a doctoral study program in the same or a related scientific field, if he or she has applied for a call for which he or she meets the conditions and if he or she is on the ranking list up to the number specified in the call for enrollment. A person with the academic title of Master of Science may, upon personal request, be granted recognition of part of the content of the Master's study curriculum, with the possibility of determining the mastery of additional obligations, in the manner and according to the procedure established by the general acts of the University and the Faculty.

A person who has started doctoral studies in the same or a related scientific field at another higher education institution may also enroll in a doctoral academic study program, under the conditions set forth in the study program. Such a person may enroll only as a self-financing student and is not included in the approved number of students for a particular study program.

A person who has started doctoral studies in the same or a related scientific field shall submit an application for enrollment to the faculty within the deadlines set forth in the call for student enrollment announced by the University, and no later than by the expiration of the application in the second deadline. If a person has started doctoral studies abroad, the candidate shall previously submit to the University a request for recognition of the completed part of the study program for inclusion in the already begun level of higher education. The Faculty's Teaching and Scientific Council shall decide on the recognition of passed exams. The Dean issues a decision on admission to the study program, which contains the following information: the number of recognized ESPB credits, the duration of the study, and the status of a self-financing student.

The prerequisite for admission to a study program conducted in English is proof of knowledge of the English language at the upper intermediate level of competence = B2 - *Cambridge Advanced Certificate in English (CAE)* or *IELTS (International English Language Testing System)* certificate, or completion of one of the previous levels of education in English.

CRITERIA FOR DETERMINING THE ORDER OF CANDIDATES:

The order of candidates for admission to doctoral studies is determined based on the overall average grade at previous levels of study, length of study and scientific papers, by adding up the points achieved. When ranking candidates, priority will first be given to those enrolling in doctoral academic studies at the Faculty of Technology and Metallurgy for the first time, followed by all other candidates.

Scoring is done as follows:

1) General average grade (GAG)

The general average study grade (GAG) is calculated based on the average study grades in undergraduate academic studies (GrUS) and master academic studies (GrMS), weighted by the duration of the study program in undergraduate academic and master academic studies expressed in ECTS points (UScredit and MScredit):

$$\text{General average grade (GAG)} = \frac{\text{GrUS} \times \text{UScredit} + \text{GrMS} \times \text{MScredit}}{\text{UScredit} + \text{MScredit}}$$

For candidates who have completed integrated studies, the average grade achieved in those studies is taken as the overall average grade.

For candidates who have acquired higher education according to the regulations that were valid before the enactment of the Law, the average grade from undergraduate studies, which includes the diploma thesis, if any, is taken as the overall average grade.

General average grade	Number of points based on the general average grade (PGAG)
8,00 – 10,00	$(\text{GAG} - 8,00) \times 97 + 6$
Less than 8,00	0

2) Length of study

The number of points for the length of study is calculated based on the total expected duration of studies preceding the doctoral academic studies, based on the table:

Exceeding the total planned duration of studies preceding doctoral academic studies	Number of credits for the length of study (PLS)
without exceeding	50
from 0% to 12,5%	25
from 12,5% to 25%	10

more than 25%

0

Candidates with the academic title of Master of Science are awarded points for the length of study only based on the length of study in undergraduate studies.

3) Scoring of scientific papers

The number of points that can be awarded to a candidate based on scientific papers (PSP) is calculated based on the category of scientific work, which is defined by the Regulations on the Acquisition of Research and Scientific Titles ("Official Gazette of the Republic of Serbia", No. 80/2024-17), from the following table:

Name of the group	Category	Type result	Points
Papers published in journals of international importance – M20	M21a+	Paper in a leading international journal in the category M21a+	20
	M21a	Paper in a leading international journal in the category M21a	12
	M21	Paper in a leading international journal in the category M21	8
	M22	Paper in a leading international journal in the category M22	5
	M23	Paper in a leading international journal in the category M23	3
	M24+ and M24	Paper in a leading international journal in the category M24+ that is, paper in a leading international journal in the category M24	2
Proceedings of the international scientific meetings – M30	M31	Plenary or keynote lecture at an international conference, printed in full (invitation letter and program required)	3,5
	M33	Press release from the international conference printed in full	1
Papers published in journals of national importance – M50	M51	Paper in a leading national journal in the category M51	2
	M52	Paper in a leading national journal in the category M52	1,5
	M53	Paper in a leading national journal in the category M53	1
Proceedings of national scientific conferences – M60	M61	Plenary or introductory lecture by invitation from a conference of national importance printed in its entirety (invitation letter and program required)	1,5
	M63	Announcement from a gathering of national importance printed in full	1

The maximum number of points that can be achieved for scientific papers is 20. Only scientific papers from the scientific field of the study program are scored.

4) total number of points

The total number of points is calculated as follows:

$$\text{Number of points} = \text{PGAG} + \text{PLS} + \text{PSP}$$

TUITION FEE:

Tuition fee for citizens of the Republic of Serbia: 114,000.00 dinars.

Tuition fee for foreign citizens: 10,000.00 euros