

2022/2023.

## THE CALL



### FACULTY OF TECHNOLOGY AND METALLURGY

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UNIVERSITY OF  
BELGRADE

## STUDY PROGRAMMES IN ENGLISH FOR WHICH A CALL HAS BEEN ANNOUNCED:

### Doctoral academic studies:

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

## NUMBER OF VACANCIES FOR STUDENTS:

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

## CONDITIONS:

A person can apply for enrollment in doctoral academic studies if they have:

- completed undergraduate and master academic studies, i.e. integrated studies with at least 300 ECTS credits, i.e., completed at least four-year studies according to the regulations that were valid until the entry into force of the Law on Higher Education (Official Gazette of RS, 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.
- completed undergraduate and master academic studies, i.e., integrated academic studies with at least 300 ECTS credits and an overall average grade of less than 8 if they have authored scientific papers published in journals from the list of the line Ministry before enrollment in doctoral studies and with at least two points awarded for scientific papers of categories M21a-M24, M31, M33, M51-M53, M61 and M63, as defined in the Rulebook on the procedure and manner of evaluation and quantitative presentation of scientific research results of researchers (Official Gazette of RS, No. 159 / 2020-82 and 12/2023-51).

Also, it is necessary that the applicants have completed previous levels of studies in one of the following areas:

- All areas in the field of technical and technological sciences,

- Chemical sciences,
- Environmental sciences,
- Physical sciences,
- Physico-chemical sciences,
- Pharmaceutical sciences
- Medical sciences,
- Biological sciences.

In the case of other areas, the possibility of enrollment will be considered by reviewing and analyzing the programmes of completed studies at the request of the applicant.

A person who has started doctoral studies in the same or a related scientific field at another higher education institution may enrol in the doctoral academic studies study programme under the conditions determined by the study programme. Such a person can enrol only as a self-financing student and is not included in the approved number of vacancies for students for a particular study programme.

A student of another university, i.e., another independent higher education institution, cannot enrol at the University, i.e., at the higher education unit within it, if he has 60 or fewer ECTS credits left until the end of the study programme at the higher education institution where he is enrolled.

A person who has started doctoral studies in the same or a related scientific field submits a request for enrollment at the Faculty within the deadlines determined by the call admission announced by the University and no later than the expiration of the application within the second deadline. If a person has started doctoral studies abroad, the applicant submits a request for recognition of a foreign public document to the University. The Dean decides on the submitted request. The Teaching-Scientific Council of the Faculty decides on the recognition of passed exams. The Dean makes a decision on enrollment in the study programme, which also contains the following data: the number of recognized ECTS credits, the duration of studies and the status of a self-financing student.

Prerequisite for enrollment in a study programme conducted in English is proof of knowledge of English at a higher intermediate level of competence = B2 - Cambridge Advanced Certificate in English (CAE) or IELTS (International English Language Testing System) or one of the previous levels of education completed in English.

#### **CRITERIA FOR DETERMINING THE ORDER OF CANDIDATES ON THE RANKING LIST:**

The order of candidates for enrollment in doctoral studies is determined on the basis of the overall average grade achieved at previous levels of studies, the duration of previous levels of studies and the achieved scientific results by adding up awarded points based on the aforementioned criteria.

Scoring is done as follows:

1) The overall average grade (OAG) is calculated on the basis of the average grades of study in undergraduate studies (GrUS) and master academic studies (GrMS), weighted by the duration of the study programme in undergraduate and master academic studies expressed in ECTS credits (UScredit and MScredit):

$$\text{Overall Average Grade (OAG)} = \frac{\text{GrUS} \times \text{UScredit} + \text{GrMS} \times \text{MScredit}}{\text{UScredit} + \text{MScredit}}$$

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

For candidates who have acquired higher education according to the regulations that were valid until the entry into force of the Law, an average grade in undergraduate studies, which includes the thesis, if any, is taken as the OAG.

OAG	Number of points based on the OAG
8.00-10.00	$(\text{OAG} - 8.00) \times 97 + 6$
less than 8.00	0

## 2) Duration of study for each of the previous levels

The exceeded duration of the previous level of studies	Number of points per year that the previous level of studies are expected to last
none	10
less than 0.5 years	5
between 0.5 years and 1 year	2
more than 1 year	0

## 3) Scoring of scientific papers

Name of the group	Category	Type of results	Points
Papers published in journals of international importance - M20	M21a	Paper in an international journal of exceptional value	10
	M21	Paper in a top international journal	8
	M22	Paper in a prominent international journal	5
	M23	Paper in an international journal	3

	M24	Paper in a national journal of international significance (verified by a special decision)	2
Proceedings of international scientific conferences - M30	M31	Invited lecture at the international conference printed in its entirety (with the letter of invitation)	3,5
	M33	Report from the international conference printed in its entirety	1
Papers published in journals of national importance - M50	M51	Paper in a leading journal of national importance	2
	M52	Paper in a prominent national journal	1,5
	M53	Paper in a national journal	1
Proceedings of conferences of national importance - M60	M61	Invited lecture at a conference of the national importance printed in its entirety	1,5
	M63	Report from a conference of the national importance printed in its entirety	0,5

The maximum number of points for scientific papers that can be achieved is 10.

#### **TUITION FEE:**

Tuition fee: EUR 10,000.00 (for study programmes in English).