

1. Field of study	Biotechnology
2. Faculty	Faculty of Natural Sciences
3. Academic year of entry	2025/2026 (winter term)
4. Level of qualifications/degree	first-cycle studies
5. Degree profile	general academic
6. Mode of study	full-time
7. ISCED code	0511 (Biology)
8. Number of semesters	6
9. Degree	licencjat (Bachelor's Degree)
10. General characteristics of the field of study and the assumed concept of education 11. Information on the relationship	The study programme for the biotechnology major is by PRK level: level 6 of the Polish Qualification Framework. The study programme participant realizes and fulfilis the directional learning outcomes related to the discipline of biological sciences, to which the major is assigned, and acquires advanced learning from the area of natural sciences and science and technology. The selection of the critical obligatory learning contents is closely related to the directional learning outcomes. From the academic year 2023/24 onwards, students in this and other fields of study at the University will have the unique nationwide opportunity to choose some subjects from all disciplines represented at the University will have the unique nationwide opportunity to choose some subjects from all disciplines or numerous social competencies derived from the leading discipline), supports the top domain and can be assigned to it. The opportunity for students to enhance their humanities and social sciences competencies is realized through the subjects: Entrepreneurship and an elective module from the area of Creative Expression and Critical Thinking. In addition, issues from the Open Module Offer (OOM) have been introduced, which can be taught in Polish and English. The curriculum of the Biotechnology degree programme has elements of areas supporting directional education. These elective areas are Digital World, Health and Personal Development, Environment and Technology, UV/VIS Spectophotometry with Elements of Good Laboratory Practice and Fundamentals of Microscopy. The first semester they also introduced the unique subject Plan Your Educational Pathway, which aims to familiaries students with the research carried out by teaching biotechnology.
11. Information on the relationship	



between the studies and the	Education in histochnology studies coincides with the operational goals outlined in the University of Silesia's development strategy by 1
between the studies and the university's strategy as well as the socio-economic needs that determine the conduct of studies and the compliance of learning outcomes with these needs	Education in biotechnology studies coincides with the operational goals outlined in the University of Silesia's development strategy by 1. modifying the educational offer considering forecasts for the development of higher education. 2. linking the educational offer with the socio-economic environment; 3. internationalisation of deducation, 4. individualisation of teaching; 5. project activities; 6. dissemilation of modern, interactive educational methods. The Bachelor's degree Biotechnology faculty envisages an education that enables students to be involved in all areas related to employee research. This is realised not only through a wide range of subjects from different disciplines, such as biological, chemical, physical and mathematical sciences, computer science and environmental and bioprocess engineering but also through the possibility of directly putting students to work in research projects, in the form of differed elective subjects or a bachelor's the sica and global labour market as much as possible. This is possible thanks to active cooperation with the expectations of the local and global labour market as much as possible. This is consulted with employers, who are also invited to teaching, e.g. during meetings with representatives of the Council of Economic and Social Partners. The high quality of the education offered is fostered by its close connection with the scientific research conducted at the Institute of Biology. Biotechnology faculty or ealso invited to collaborate, which broaders the teaching offer alencing groups and Environmental approxes. And sexternal funding is obtained from programmes such as JUWM (One University Mary Possibilities), renowned foreign lecturers are also invited to collaborate, which broaders the teaching offer one theraking groups of 8-10 students. In addition, during the study, the students and oblogy faculty to realised in mary forms. This is ensured by small teaching to groups and mobility in the educational process involve outgoing and incoming students and acad
12. Specializations	n/a
13. General description of the specialization	



14.		n/a
15.	specializations starts Percentage of the ECTS credits for each of the scientific or artistic disciplines to which the learning outcomes are related to the total number of ECTS credits (along with the indication of the leading discipline)	[leading discipline] biological sciences (natural sciences): 100%
16.	Number of ECTS credits required to achieve the qualification equivalent to the level of study	180
17.	Percentage of the ECTS credits for optional modules in relation to the total number of ECTS credits	32%
18.	Total number of ECTS credits that a student must obtain in the modules taught	137
19.	Number of ECTS credits that a student must obtain in modules assigned to disciplines within the humanities or social sciences (not less than 5 ECTS) - in the case of fields of study assigned to disciplines within the fields other than, respectively, humanities or social sciences	6
20.	 Number of ECTS credits - higher than 50% of the total number of credits - that a student must obtain: in general university programmes within a module connected with research carried out in the scientific or artistic disciplines to develop his/her knowledge and research skills; in practical programmes within a module to develop practical skills 	153
21.	Total number of ECTS credits that a student must obtain in internships	4
22.	Internships (hours and conditions) in the case of practical programmes and in general university programme - if such requires internship	Internships are an integral part of the study program, carried out by students in individual fields, levels, profiles and forms of study. Internships are to help in confronting the knowledge acquired during studies with the requirements of the labour market, acquiring skills useful in the profession, learning about practical issues related to working in positions for which the student is prepared during the course of studies. The internship is to familiarize the student with professional language relevant to a specific industry and work culture.



		The rules for the organization of internships are set out in the Rector's ordinance. Detailed rules of apprenticeship taking into account the specifics of particular fields of study are set out in the field's of study apprenticeship regulations, in particular: learning outcomes assumed to be achieved by the student during the apprenticeship, framework apprenticeship program including a description of issues, dimension of apprenticeship (number of weeks of practice); form of internship (continuous, mid-year), criteria for choosing the place of internship, obligations of the student staying in the internship, obligations of the academic tutor, conditions for completing the internship by the student and conditions for exemption from the internship obligation in whole or in part. The number of ECTS and the number of hours are specified in the course structure.
23	. Graduation requirements	The condition for admission to the diploma examination is to achieve the learning outcomes provided for in the study program, to obtain a certificate of an appropriate level of language proficiency in a foreign language and to obtain positive grades for the diploma dissertation. The condition for graduation is to pass the diploma examination with at least a satisfactory result. A graduate receives a higher education diploma confirming obtaining the qualifications of the appropriate degree. Detailed rules of the diploma process and the requirements for the diploma thesis are set out in the Rules and Regulations of Studies at the University of Silesia and the diploma regulations.