1.	**Field of study**	**Computer Science**
2.	Faculty	Faculty of Science and Technology
3.	Academic year of entry	2021/2022 (summer term)
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time
7.	ISCED code	0613 (Software and applications development and analysis)
8.	Connection between the field of study and university development strategy, including the university mission	The studies in Computer Science are entirely in line with the University's mission and the Development Strategy of the University of Silesia in Katowice for 2020-2025. Computer Science offers 3-semester second-cycle studies, whose task is to educate a graduate who is proficient in using IT knowledge on a theoretical and practical basis. It also prepares a graduate to take up a job in the IT industry in various branches, whether in Poland or abroad. Apart from the practical side, the graduate should have in-depth theoretical knowledge to carry out scientific research in the future, contributing to Computer Science development. The programme offered strengthens the relationship between education, applied research, and the socio-economic environment. The wide range of subjects to choose from provided to Computer Science students allows creating an educational path that suits students, their scientific interests, and professional plans. It fulfils the Strategy's assumption which emphasises the optimisation of fields of study and curricula, considering the educational needs of candidates and students, the labour market, and modern education. Particularly noteworthy is the co-participation of employers in creating study programmes for Computer Science, thus contributing to the construction of innovative education. Thanks to these practices, the graduate becomes competitive in the labour market. The studies also refer to the University's mission, particularly to its primary tasks, to shape ethical social attitudes in scientific work and everyday life.
9.	Number of semesters	3
10.	Degree	magister (Master's Degree)
11.	Specializations	n/a
12.	The semester from which the specializations starts	n/a
13.	Percentage share of scientific or artistic disciplines in education (along with the indication of the leading discipline)	• *[leading discipline]* information and communication technology (engineering and technology): 100%
14.	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]* information and communication technology (engineering and technology): 100%
15.	Number of ECTS credits required to achieve the qualification equivalent to the level of study	90
16.	Percentage of the ECTS credits for optional modules in relation to the	60%

	total number of ECTS credits	
17.	Total number of ECTS credits that a student must obtain in the modules taught	50
18.	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
19.	Graduation requirements for a particular specialization	The conditions for graduation are as follows: - obtaining credits from all the subject modules defined by the curriculum and successful passing the required examinations, - writing and defending the Master's thesis before the examination board, - obtaining the number of ECTS credits as required by the curriculum.
20.	Organization of the process of obtaining a degree	§1 The present Rules and Regulations of studies are a detailed version of §§ 33, 34, 35, 36, 37, 38 of the legally binding Rules and Regulations of studies at the University of Silesia being an annexe to Resolution No. 368 of the Senate of the University of Silesia in Katowice of 30th April 2019. §2 1. The student makes a declaration regarding the supervisor's selection no later than two weeks after the monographic lecture conducted at the beginning of the first semester. 2. The supervisor determines the diploma thesis subject with the student following the conditions defined under §34 (5) of the Rules and Regulations of studies. Simultaneously, they select modules that correspond to the topic chosen (seven modules) within a group of diploma modules according to the curriculum. Module 8, realised in the third semester, can be selected by the student without consulting the supervisor. 3. The RTP form related to the registration of the diploma thesis (Annexe No. 1 to Order No. 16 of the Rector of the University of Silesia in Katowice of 28th January 2015) signed by the supervisor and the student without undue delay is delivered to the Dean's office related to the particular programme. §3 The student prepares and submits the diploma thesis following the Web Service of the Archives of Diploma Theses (apd.us.edu.pl). §4 1. After submitting by the Master's student the diploma thesis approved by the supervisor, the supervisor and the reviewer prepare the review no later than three days before the Master's examination deadline. 2. Reviews include a proposal of the grade related to the thesis. 3. Reviews are available to the Master's student beforehand so they can get acquainted with them. §5 The conditions for graduation are: – getting credits from all the subject modules defined by the curriculum and successfully passing the required examinations, – writing and defending the Master's thesis before the examination board, getting the number of ECTS credits as required by the curriculum. Conditions for admission for the defence of the diploma thesis and the diploma examination:

		1. Achieving the required learning outcomes, including getting credits and passing examinations from all modules and the required number of ECTS credits provided for in the curriculum throughout the entire course of education for Computer Science. 2. Submission of the student record book with all the required entries and credits to the last semester's successful passing. 3. Submission of an appropriate number of copies of the diploma thesis and the required documents following the current requirements for submitting diploma theses at the Faculty of Science and Technology. 4. Positive grades from two reviews (i.e. from the supervisor and the reviewer). §6 1. The student takes the diploma examination before the examination board appointed by the Dean of the Faculty of Science and Technology. The board comprises a chairperson and two members (supervisor and reviewer of the thesis), at least one who should have a post-doctoral degree. 2. The diploma examination comprises two parts: (a) defending the diploma thesis, (b) answering questions by the Master's student. 3. The thesis defence begins with the multimedia presentation of the Master's student's thesis subject and answering to the questions from the examination board on the topic presented. 4. In the second part of the examination, the Master's student answers three drawn questions. The questions cover the topics from the modules defined by the 2nd-cycle studies curriculum in Computer Science, excluding the modules not covered by the Master's student. 5. At the end of the examination: a. The examination board establishes component grades related to the answers to the particular examination questions. b. The examination board determines the diploma thesis grade and the final grade be placed on the diploma following the regulations defined under § 38 of the Rules and Regulations of studies. 6. The grades are announced to the Master's student immediately after establishing them by the examination board.
21.	Internships (hours and conditions) in the case of practical programmes and in general university programme - if such requires internship	Not applicable.
22.	Total number of ECTS credits that a student must obtain in internships	0
23.	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	84
24.	General description of the programme	Computer Science offers 3-semester second-cycle studies, whose task is to educate a graduate showing particular proficiency in using IT knowledge on a theoretical and practical basis. The graduate is prepared to take up a job in the IT industry in various branches, whether in Poland or abroad. A second-cycle graduate of Computer Science: 1. Has a thorough knowledge and skills in advanced fields of computer science; 2. Has analytical and synthetic thinking skills, allowing for a non-standard approach to solving various practical problems requiring

		analysis, creation or adaptation of advanced IT technologies; 3. Can construct information technology solutions based on mathematical models and assess, test, and secure those solutions; 4. Is aware of the importance and impact of IT professional activity and understands the importance of intellectual integrity; 5. Ability to present advanced IT content in speech and writing and to discuss it rationally; 6. Can independently expand and deepen their knowledge of current IT trends; 7. Has high qualifications and practical skills in information technology, making them competitive in the labour market.
25.	General description of the specialization	The programme does not include any majors.