

Polish - language
Education Programme in Chemistry
in the discipline of chemical sciences
at the Doctoral School of Exact and Natural
Sciences

I

General provisions

1. The education programme in Chemistry has been established according to the Act of 20 July 2018 on the Law on Higher Education and the guidelines applicable at the Jagiellonian University in Kraków.
2. The education programme in Chemistry leads to the achievement of learning outcomes for qualifications defined as level 8, according to the Polish Qualifications Framework.
3. The education programme lasts eight semesters.
4. The Polish language is the language of instruction for this education programme. Classes may also be conducted in English.
5. The detailed requirements and the admission criteria to the education programme are defined in the terms and conditions for admission approved by the Senate.
6. Within 12 months from the date of commencement of education, the doctoral student shall submit an Individual Research Plan to the co-ordinator of the education programme.
7. The number of ECTS credits (European Credit Transfer and Accumulation System) allocated to the education programme Chemistry is a minimum of 40 credits.
8. The rules on achieving learning outcomes and the manner of their assessment are specified in the syllabuses of the individual courses.

II

Professional traineeships

1. Professional traineeships shall take the form of conducting classes with students as well as assisting in this process.
2. Professional traineeships can also take the form of conducting activities with the purpose of popularizing science.
3. The rules of the traineeship programme for doctoral students studying upon education programme in Chemistry are as follows:
 - a. The traineeship can take the form of conducting or co-conducting classes at the Faculty of Chemistry of the Jagiellonian University.
 - b. It is possible to undertake a traineeship in an external institution after the consultation with the supervisor and the consent issued by the co-ordinator of the education programme. The number of hours allocated for external traineeship is determined individually.

4. The number of hours allocated for professional traineeship must not exceed 60 hours per academic year, and the minimum value shall be determined annually by the co-ordinator of the education programme in agreement with the Dean of the Faculty of Chemistry of the Jagiellonian University.

III

Mode of study and research progress assessment

1. The supervisor shall supervise the doctoral student's programme of study and the individual research plan.
2. Annually, no later than by 30 September, the PhD student submits to the co-ordinator of the education programme a report on the implementation of his/her individual research plan, consulted by the supervisor.
3. The co-ordinator of the education programme evaluates the implementation of study and research progress on the basis of the PhD student's report (see point 2) and the report from the Electronic University System for Study Support.
4. Changing an individual research plan, in particular, changing or postponing some of the doctoral student's duties to another date, requires the approval of the co-ordinator of the education programme.
5. The co-ordinator of the education programme may decide to accept as part of the performance of duties (with the appropriate allocation of ECTS credits) courses or classes not specified in the education programme.
6. By the end of the 4th semester, the PhD student shall be subject to the mid-term assessment before the committee appointed by the Research Board Discipline.
7. The mid-term assessment date is established by the co-ordinator of the education programme.
8. 30 days before the scheduled committee meeting, the PhD student shall submit to the co-ordinator of the education programme a written report on the implementation of the individual research plan. The report must be approved by the supervisor before submission.
9. Members of the committee and the PhD student, in the parts to which s/he was invited, participate in the meetings of the committee conducting the mid-term assessment.

IV

SCHEDULE FOR THE EDUCATION PROGRAMME IN CHEMISTRY

| DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES, EDUCATION PROGRAMME: CHEMISTRY | | | | | | |
|--|---|--|------|--------------|------|-------------|
| Item (name of the course) | Objective | Description | PQF* | Semes ter | ECTS | No of hours |
| OBLIGATORY COURSES WITHIN THE DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES | | | | | | |
| Doctoral seminar | Presentation of PhD student’s own results, scientific discussion Assessment: credit with a grade | P8S_WG P8S_UK P8S_KK P8S_WK P8S_UW P8S_KR | IV | 3 | 30 | |
| Professional skills development activities | Elective panels for a sum of min. 10 ECTS advanced techniques: computational, structural, synthetic, analytical, spectroscopic, microscopic, advanced technology and environmental Chemistry, BioPharma, optional course for min. 2 ECTS, max. 3 ECTS agreed with supervisor and co-ordinator of the education programme Assessment: exam | P8S_WG P8S_WK P8S_UW P8S_UK | I-IV | 10 | 104 | |
| English language course at C1 level | Assessment exam | P8S_UK | I-IV | 4 | 60 | |

| ELECTIVE JOINT COURSES FOR THE DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES | | | | | |
|---|---|-----------------------------|--------|---|---------------------------------|
| Doctoral School of Exact and Natural Sciences Seminar | A monthly seminar with lectures in English delivered by invited Jagiellonian University researchers and guest researchers. Assessment: attendance | P8S_WG, P8S_UW P8S_UK | I-VIII | 1 | Minimum 6 seminars a year |

| | | | | | |
|---|--|--|--------|----------------|----------------------------|
| Modern foreign language course | As a second foreign language Assessment: exam | P8S_UU | I-IV | 4 | 60 |
| Polish language for foreigners | Assessment: exam | P8S_UU | I-VIII | 4 | 60 |
| Soft skill and general knowledge development | PhD students select a course/s from a range of courses offered before a given academic year (optional) Assessment: credit | P8S_U W P8S_K R P8S_W K | I-VIII | max. 3 | 15, 30 or 60 contact hours |
| OPTIONAL ACTIVITIES TO DEVELOP PROFESSIONAL SKILLS | | | | | |
| General knowledge development | Lectures offered by the Polish Chemical Society, interchangeably with the Faculty seminars and the Doctoral School seminars; minimum 6 meetings a year Assessment: credit | P8S_WK P8S_UK P8S_KK | I-VIII | 1 | Minimum 6 seminars a year |
| Professional skills development | Activities to acquire competences for the implementation of an individual research plan (e.g., summer schools, courses offered at other universities, including foreign universities) Assessment: according to the course syllabus | P8S_UW | I-VIII | No more than 2 | Established individually |

| ACTIVITIES TO DEVELOP TEACHING SKILLS | | | | | |
|--|---|--|------------|----|-----------------------|
| Workshop course | Introductory course, enabling the implementation of didactic internship. Assessment: credit with grade | P8S_U U P8S_U O P8S_W G P8S_K K | III | 3 | 30 |
| Didactic internship | Conducting or co-conducting classes | | I- VIII | 12 | 240 (max. 60/year) |
| Mandatory additional training: <ol style="list-style-type: none"> 1. PhD students starting their education are required to complete occupational health and safety training. 2. First Aid course (theoretical and practical part) to be carried out by the end of the 2nd semester. 3. PhD students planning research involving vertebrate animals are required to undergo training that ends with obtaining the appropriate qualifications. | | | | | |

* Polish Qualification Framework (PQF) in accordance with the Regulation of the Minister of Science and Higher Education on the characteristics of the second degree learning outcomes for qualifications at the levels 6-8 of the Polish Qualifications Framework.

Conducting research for a doctorate and preparing a doctoral dissertation within the meaning of Art. 187 point 3 of the Act on Higher Education and Science of July 20, 2018, partially fulfils the implementation of all types of learning outcomes for qualifications at PQF level 8. Obtaining these outcomes is verified by the supervisor.

V

Final provisions

Education programme in Chemistry in the discipline of chemical sciences at the Doctoral School of Exact and Natural Sciences enters into force on the day of the adoption of the Resolution.