

Educational Programme	Advanced Chemistry
Degree Awarded	Master
Standard Length of Studies (Number of ECTS Credits)	2 years - 4 semesters - 120 ECTS
Type of Study	Full-Time
Higher Education Institution	Babes-Bolyai University
Faculty / Department	Faculty of Chemistry and Chemical Engineering
Contact Person	Prof. PhD SILAGHI-DUMITRESCU Luminita, Assoc. Prof. PhD CRISTEA Castelia
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Profile of the Degree Programme	Advanced Chemistry
Target Group / Addressees	Graduates in Chemistry, Chemical Engineering, Physics, Environmental Science, Biology, Medicine and Pharmacy wishing to further develop competencies in the field of chemistry.
Entrance Conditions	The admission hierarchy is calculated as 75% graduation grade + 25% graduation thesis grade <i>Additional Criterion:</i> Candidates have to present a Linguistic Proficiency Certificate for a foreign language.
Further Education Possibilities	Doctoral Studies in Chemistry
Description of Study	Advanced knowledge and skills in the field of chemistry.
Purposes of the Programme	To prepare specialists in Chemistry, capable to become potential researchers in chemical institutes or teachers in education institutions. To ensure the compatibility of this local programme with the European Union quality standards regarding chemistry graduates; To develop competences in order to follow doctoral degree studies.
Specialization / Area of Expertise	Expertise in chemistry is required in many laboratories of analysis and quality control associated to industry, medicine, environmental agencies and any other fields. On condition of promoting The Program of Psycho-Pedagogical Studies 2 nd Level, the holder of this certificate can work as a teacher in the educational system.
Extra Peculiarities	-
Practical Training	Throughout the course students are required to undertake one semester of research work at Babeş-Bolyai University or abroad.
Final Examinations	Dissertation on research topic
Gained Abilities and Skills	The ability to apply knowledge in chemistry for solving complex theoretical and practical problems. The development of skills in planning and conducting a laboratory experiment and correctly assigning the results The ability to teach chemistry on condition of obtaining the Certificate of graduation of The Program of Psycho-pedagogical Studies.

Job Placement, Potential Field of Professional Activity	Advanced Chemistry master programme trained the students to develop a carrier in scientific research activities as well as Chemistry teacher in higher educational system.
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