

## Study programme

### *Part A) of the study programme \**

## Learning outcomes

<b>Faculty offering the field of study:</b>	<b>Faculty of Chemistry</b>
<b>Field of study:</b>	<b>Medical Chemistry</b>
<b>Level of study:</b>	<b>Second-cycle studies</b>
<b>Level of the Polish Qualification Framework:</b>	<b>Level 7</b>
<b>Profile:</b>	<b>General academic</b>
<b>Professional degree awarded to the graduate:</b>	<b>Magister</b>
<b>Allocation of the field of study within academic or artistic discipline(s), to which learning outcomes for a given field of study refer:</b>	<b>Disciplines: Chemical Sciences</b> <b>Major discipline: Chemical Sciences</b>
<b>Symbol</b>	<b>Upon completion the graduate achieves the learning outcomes specified below:</b>
<b>KNOWLEDGE</b>	
K_W01	The graduate has extended general knowledge of chemistry that forms solid theoretical grounds for education in medical chemistry; knows main development trends concerning the application of chemical methods in medicine and pharmacy
K_W02	The graduate knows and understands positive and negative aspects related to the synthesis and technology of active compounds, including protection of copyright
K_W03	The graduate knows and understands, to an advanced extent, analytical method and instrumental measurement techniques used in medicine and pharmacy as well as their importance for the development of science and natural sciences, world cognition and development of humankind
K_W04	The graduate knows current development trends and most recent achievements related to medical chemistry.
K_W05	The graduate knows and understands ethical determinants as well as the risk and responsibility connected with research in medical chemistry.
<b>SKILLS</b>	
K_U01	The graduate is able to use knowledge of chemistry in medicine and pharmacy, correctly select analytical and instrumental methods that are used in medicine.
K_U02	The graduate is able to communicate on issues related to medical chemistry while studying and preparing the diploma thesis. The graduate is able to elaborate on research results in Polish and in a foreign language on the B2+ level and has language skills enabling to deliver oral presentations in medical chemistry
K_U03	The graduate is able to work in a team, plan, accomplish and expand knowledge of chemical methods applied in medical research, and to solve problems relying on the issues discussed in medical chemistry.

K_U04	The graduate is able to critically evaluate results of analyses, discuss measurement errors and use a relevant software package relevant to perform a statistical analysis of an experiment
K_U05	The graduate is able to use the acquired knowledge of medical chemistry to related scientific fields and disciplines.
<b>SOCIAL COMPETENCES</b>	
K_K01	The graduate is able to formulate and present opinions on chemical problems in medicine and pharmacy, and is aware of the importance of the knowledge acquired in research and professional work
K_K02	The graduate understands ethical and social aspects of practical use of the acquired knowledge and skills.
K_K03	The graduate is able to share their knowledge and justify the importance of chemical sciences in the medical context.