

## Learning outcomes

In accordance with the General Characteristics (specified in the Appendix to the Act of 22 December 2015 on the Integrated Qualification System, consolidated text: Dz. U. [Journal of Laws] 2018, item 2153) and the Characteristics of the second degree of the Polish Qualification Framework (specified in the Appendix to the Regulation of the Minister of Science and Higher Education of 14 November 2018 on the characteristics of the second degree of learning outcomes for qualifications at levels 6-8 of the Polish Qualification Framework, Dz.U. 2018, item 2218) typical for qualifications obtained within the system of higher education and science for level 8, a person who has completed education at the Doctoral School of Adam Mickiewicz University, Poznań has knowledge, skills and social competences:

Symbol	Learning outcomes	Reference to general characteristics of Polish Qualification Framework (first degree)	Reference to characteristics of Polish Qualification Framework for the appropriate level (second degree)
<b>In terms of knowledge:</b>			
	<b>A person who has completed education at the Doctoral School of Adam Mickiewicz University knows and understands</b>		
E_W01	the achievements of world science in the discipline in which the education takes place, as well as the paradigms and directions of development of this discipline, in a way that enables their creative and innovative development and their verification within the framework of research projects undertaken;	P8U_W	P8S_WG
E_W02	at an advanced level research methodology appropriate for the discipline of science in which education takes place, which allows for proper selection of research theories and tools and their effective application and modification within the framework of own research;	P8U_W	P8S_WG
E_W03	rules for the dissemination of results of scientific activities, traditional methods and open access;	P8U_W	P8S_WG
E_W04	legal, ethical and other relevant conditions of scientific activity;	P8U_W	P8S_WK
E_W05	mechanisms for funding research and fundraising for research;	P8U_W	P8S_WK
E_W06	basic principles for knowledge transfer to the economic and social spheres and for the commercialisation of research results;	P8U_W	P8S_WK
E_W07	methodology of teaching at the academic level and the	P8U_W	P8S_WK

	use of modern technologies in education;		
E_W08	fundamental dilemmas of contemporary civilization and the role of science, especially in the field of education, in solving them.	P8U_W	P8S_WK
<b>In terms of skills:</b>			
	<b>A person who has completed education at the Doctoral School of Adam Mickiewicz University is able to:</b>		
E_U01	use knowledge from various disciplines of science to creatively identify, formulate and innovatively solve complex research problems or perform advanced research tasks. In particular, he/she is able to: — define the objectives and the subject of scientific research, — formulate research hypotheses, — develop research methods, techniques and tools and apply them creatively and effectively, — draw conclusions on the basis of scientific evidence;	P8U_U	P8S_UW
E_U02	effectively retrieve information related to scientific activity from various sources, including from sources in foreign languages, and to properly select, critically analyse and interpret this information; furthermore, he/she is able to assess its relevance for scientific development;	P8U_U	P8S_UW
E_U03	transfer the results of scientific activity to the socio-economic sphere in cooperation with institutions from the social and economic environment;	P8U_U	P8S_UW
E_U04	prepare a scientific publication while respecting copyright;	P8U_U	P8S_UK
E_U05	communicate on expert knowledge in Polish and foreign languages at B2 level as defined in the Common European Framework of Reference for Languages (CEFR) to the extent that it enables active participation in national and international discourses of the scientific community to exchange knowledge, experience and ideas;	P8U_U	P8S_UK
E_U06	present the results of his/her research and to initiate and conduct scientific and popular science discussions in Polish and foreign languages;	P8U_U	P8S_UK
E_U07	establish and implement scientific cooperation in research teams, including international ones;	P8U_U	P8S_UK
E-U08	plan his/her own development, both in terms of scientific, academic and other professional activities,	P8U_U	P8S_UK P8S_UO

	and inspire and stimulate development of other people;		
E_U09	prepare an application for research project funding;	P8U_U	PS8_UO
E_U10	plan teaching activities in a methodically correct way and implement them with the use of modern methods and tools.	P8U_U	P8S_UU
<b>In terms of social competences:</b>			
	<b>A person who has completed education at the Doctoral School of Adam Mickiewicz University is prepared for:</b>		
EK01	critical evaluation of the work in the field of the scientific discipline within which the education is provided and its own contribution to the development of this discipline;	P8U_K	P8S_KK
E_K02	acting in accordance with the ethical principles of scientific work and interpersonal relations; moreover, he/she is ready to build the ethos of the scientific and professional environment;	P8U_K	P8S_KR
E_K03	fulfilling social obligations as a researcher; initiating actions in favour of the public interest, <i>inter alia</i> , through appropriate dissemination of scientific achievements in society. Furthermore, he/she is ready to take actions leading to the development of civil society based on knowledge;	P8U_K	P8S_KO
E_K04	thinking and acting in an entrepreneurial way, creating new ideas and searching - in cooperation with people from other disciplines - for innovative solutions, as well as taking up challenges and intellectual risk in the scientific and public spheres and taking responsibility for the consequences of their decisions;	P8U_K	P8S_KO
E_K05	continuous improvement of professional competence and personal development, in particular by tracking and analyzing the latest developments in the represented scientific discipline.	P8U_K	P8S_KO