

Description of intended learning outcomes for degree courses

Field of study: Safety and Sanitation of work

Area of science: the area of natural sciences, the field of life sciences disciplines: biology, ecology, environmental protection;

the area of technical sciences, the field of technical sciences, disciplines: architecture and urban planning, construction, construction and operation of machinery, electronics, computer science, environmental engineering, chemical technology, engineering

Level of education: Bachelor's degree, engineering

Profile Education: A Practical

Symbols directional learning outcomes	<p style="text-align: center;">DIRECTION OF INSTRUCTION Name field of study: Occupational Health and Safety Level of education: Bachelor's degree - Engineering profile education: a practical After graduation, graduate:</p>	<p style="text-align: center;">The reference to learning outcomes in the areas of education in the field of engineering sciences and the natural sciences</p>
knowledge		
K_W01	defines a basic knowledge of mathematics, physics and chemistry to understand the physico-chemical phenomena in manufacturing processes and other fields of study related to health and safety	T1P_W01 P1P_W03
K_W02	defines the basic methods of information technology for the application description and interpretation of natural phenomena while solving engineering tasks related to health and safety issues	T1P_W06 P1P_W02 P1P_W07
K_W03	materials are characterized in terms of their impact on the environment and the natural environment	T1P_W04 P1P_W05
K_W04	determines the basis of the risk of accidents and illness occurring in the natural environment and the working environment. He knows their sources and methods of prevention	T1P_W07 P1P_W01 P1P_W08 P1P_W09
K_W05	describes the anatomy and physiology in relation to ergonomics	P1P_W05 T1P_W04
K_W06	out the basic norms of the legal protection and safety	P1P_W04 T1P_W08
K_W07	defines the methods and structure of the organization system management services safety of their duties, responsibilities and powers	P1P_W09 T1P_W03 T1P_W07
K_W08	understand the psychological and sociological conditions of work	T1P_W04 T1P_W08
K_W09	lists the grammar rules and vocabulary of English at B2 level	P1P_W11 T1P_W09
K_W10	describes the principles of computer-aided management and health and safety at work	P1P_W06
K_W11	defines the basic concepts and principles of intellectual property	P1P_W10 T1P_W10

K_W12	demonstrates knowledge of computer science at a level sufficient to describe and interpret phenomena related to health and safety issues	P1P_W06
Skills		
1) GENERAL SKILLS (external to the field of engineering education)		
K_U01	developing issues related to occupational health and safety	P1P_U09 P1P_U10 P1P_U12 T1P_U03 T1P_U04 T1P_U06
K_U02	preparing oral presentations (in Polish and English)	T1P_03
K_U03	uses a specialized language, using theoretical knowledge in health and safety	P1P_U08 T1P_U02
K_U4	uses the latest techniques and research methods, sources of literature, including standard and digital	P1P_U01 P1P_U02 P1P_U03 T1P_U02
K_U05	supported by your computer to edit documents in various formats, and to acquire and store data and run programs	P1P_U05
K_U06	combines the knowledge and skills in the field of psychology, management, and communication (and the foundations of law and administrative law, labor law)	P1P_U01 T1P_U05
K_U07	defines the basic legislation on intellectual property, copyright	P1P_W10
K_U08	distinguish between conventional methods, procedures and best practices in the implementation of tasks related to health and safety	T1P_U06
2) BASIC ENGINEERING SKILLS		
K_U09	characterized by conventional methods, procedures and best practices in the implementation of tasks related to health and safety	P1P_U03 T1P_U07
K_U10	safety planning workshop	P1P_U07 T1P_U08 T1P_U11
K_U11	performs measurements and interprets the results	P1P_U01 P1P_U06 T1P_U09 T1P_U10 T1P_U11
K_U12	prepares expertise circumstances, causes and course of accidents, occupational diseases and occupational safety hazards	T1P_U10 T1P_U11
K_U13	developing technical documentation, designing technical and organizational solutions in the workplace	T1P_U05
3) DIRECTLY RELATED SKILLS SOLVING ENGINEERING JOB		

K_U14	examine accidents at work and occupational diseases, creating documentation, proposes preventive measures	P1P_U06 T1P_U13 T1P_U14
K_U15	carry out checks on compliance with health and safety regulations, make proposals for the improvement of working conditions	P1P_U07 T1P_U16 T1P_U18
K_U16	evaluate the technical and organizational solutions in terms of meeting the requirements of safety and ergonomics	P1P_U06 T1P_U16 T1P_U17
K_U17	examines the work environment, using various methods indicating the real risks and remedies	P1P_U05 P1P_U11 T1P_U18 T1P_U19
SOCIAL SKILLS		
K_K01	be courageous in expressing their own opinions on the non-compliance and health and safety rules	P1P_K08
K_K02	be creative in proposing various solutions to enhance the health and safety	P1P_K03 T1P_K06
K_K03	is convinced of the need for self-improvement	P1P_K01 P1P_K05 P1P_K07 T1P_K01
K_K04	is open to teamwork, which resolves dilemmas associated with the pursuit of	P1P_K02 P1P_K04 T1P_K04 T1P_K02 T1P_K03 T1P_K05
K_K05	is prepared to run their own businesses	P1P_K08 T1P_K06 P1P_K06 T1P_K07
K_K06	able to work independently in a workshop focused on safety and organization of work	T1P_K06 P1P_K04