

**Education programme of the Doctoral School of the Koszalin University of Technology
approved by the Council of the Doctoral School at the meeting on 2 February 2021**

Scientific disciplines: Automation, electronic and electrical engineering; Mechanical engineering; Civil engineering and transport.

Courses		hours and ECTS points		Form of instruction					Number of hours and ECTS points in a semester																
		hours	ECTS	lecture	classes	lab.	proj.	sem.	I		II		III		IV		V		VI		VII		VIII		
									hours	ECTS	hours	ECTS	hours	ECTS	hours	ECTS	hours	ECTS	hours	ECTS	hours	ECTS	hours	ECTS	hours
Module of general courses		75	6	75					15	1					15	2	15	1	15	1	15	1			
1	Legal and ethical aspects of scientific activity	15	1	15					15	1															
2	Planning and management of research projects	15	2	15										15	2										
3	Analysis of effectiveness of innovative undertakings	15	1	15												15	1								
4	Inventions and patent law	15	1	15														15	1						
5	Fundamental dilemmas of modern civilization	15	1	15																15	1				
Module - researcher's workshop		90	13	90					15	3	30	4	30	4	15	2									
1	Methodology of scientific research	15	3	15					15	3															
2	Methods of planning experiments	15	2	15						15	2														
3	Methodology of writing scientific papers	15	2	15						15	2														
4	Methods of data processing and analysis	15	2	15								15	2												
5	Modern information technologies in scientific and research work	15	2	15								15	2												
6	Techniques of communication and presentation of research results	15	2	15										15	2										
Module of the English language		90	6		90				30	2	30	2	30	2											
1	English as a foreign language	60	4		60				30	2	30	2													
2	Preparing scientific presentations and texts	30	2		30							30	2												
Module of courses within chosen disciplines		180	24	180					30	4	30	4	30	4	30	4	30	4	30	4					
1	Elective courses - 30 hours and 4 ECTS points per semester to choose from the list of courses submitted by the Scientific Disciplines Councils for a given academic year	30	4	30					30	4															
2		30	4	30							30	4													
3		30	4	30									30	4											
4		30	4	30											30	4									
5		30	4	30													30	4							
6		30	4	30															30	4					

Module of pedagogical preparation		45	5	45													15	1	15	2	15	2		
1	Methodology of conducting didactic classes	15	1	15													15	1						
2	Didactic practice	30	4	30															15	2	15	2		
Individual research plan		80	160	0	0	0	0	80	10	20	10	20	10	20	10	20	10	20	10	20	10	20	10	20
1	Doctoral seminar *	80	160					80	10	20	10	20	10	20	10	20	10	20	10	20	10	20	10	20
2	Seminar - Council of the Doctoral School												x											
3	Seminar - Scientific Discipline Council														x									
4	Mid-term evaluation																x							
5	Seminar - Scientific Discipline Council + Council of the Doctoral School																					x		
Hours and ECTS points in total		560	214						100	30	100	30	100	30	70	28	70	26	70	27	40	23	10	20

* - 10 hours for a supervisor per each doctoral student will be calculated