

Mandatory units													
OK 1	Philosophy of science		2	4	120	40	20	20	80	4			
OK 2	Contemporary computer technologies in science	1		3	90	30	14	16	60	4			
OK 3	Communications in scientific area		2	3	90	30	14	16	60	3			
OK 4	Methodology of conducting scientific researches	2		3	90	30	14	16	60	3			
OK 5	Triotechnics	1		3	90	30	14	16	60	4			
OK 6	Modeling and planning of a scientific experiment in engineering	1		3	90	30	14	16	60	4			
OK 7	Registration of intellectual property rights	1		3	90	30	14	16	60	4			
OK 8	Design and delivery of course unit	2		3	90	30	14	16	60	3			
OK 9	Ukrainian language		1,2	4	120	60	60	60	60	3			
OK 10	Scientific project management	1		3	90	30	14	16	60	4			
OK 11	English in professional area		1,2	4	120	60	60	60	60	3			
OK 12	Organization of preparation of scientific publications and writing of PhD thesis		2	3	90	30	14	16	60	3			
OK 13	Practice in Teaching		3	3	90	20		20	70	5			
OK 14	Innovative technological solutions in the mechanical engineering	3		3	90					3			
Total by mandatory units				45	1350	450	148	304	810	24	25	0	5
Elective units													
BK 1	Elective unit 1			5	150	48	18	30	102				8
BK 2	Elective unit 2			5	150	48	18	30	102				8
BK 3	Elective unit 3			5	150	48	18	30	102				8
Total by elective units				15	450	144	54	90	306	0	0	24	0
Total by studying plan				60	1800	594	200	394	1116	24	25	24	5

List of elective units

The efficiency of sensors and controllers usage at the support of experimental researches
 Estimation of quality of field works in plant growing
 Advanced Surface Engineering Technologies

Digital Platforms in Engineering Research
 Methodology of quality management in mechanical engineering
 Synthesis of rational technological solutions

Programme leader

Head of Postgraduate and Doctoral Programmes Department