



COURSE CATALOG – Undergraduate Professional Study – MECHANICAL/PRODUCTION ENGINEERING

Type of Study: University undergraduate professional study

Semesters: 6

ECTS: 180

	Code	Course	Student workload (L + S + T)	ECTS credits
1 st semester (winter)	129429	Mathematics I*	30+0+30	6
	129431	Mechanics I*	30+0+45	6
	129430	Materials I*	30+0+30	6
	129428	IT and Application*	15+0+30	4
	129433	Engineering Calculation Methods*	15+0+15	2
	129434	Social Philosophy*	15+15+0	2
	129436	Technical Documentation	15+0+30	4
2 nd semester (summer)	129441	Mathematics II*	30+0+30	6
	129448	Mechanics II*	30+0+45	6
	129447	Materials II *	30+0+30	6
	129439	Machine Elements I	30+0+30	6
	129454	Software Tools I*	15+0+30	4
	129437	2D Design	0+0+30	2
3 rd semester (winter)	129461	Statistics*	30+0+30	5
	129457	Stress Analysis*	30+0+30	5
	129463	Thermodynamics	30+0+30	5
	129458	Machine Elements II	30+0+30	6
	129460	Electrical Engineering and Electronics	15+0+15	5
	129456	Machine Tools	15+0+15	2
	129466	Foreign Language I - English*	15+0+15	2
4 th semester (summer)	129476	Production Technologies I	30+0+45	6
	129469	Fluid Mechanics*	30+0+30	5
	129471	Production Management	30+0+45	5
	129473	Fundamentals of Entrepreneurship	15+15+0	2
	129479	Foreign Language II - English*	15+0+15	2
	129474	Professional Training I		4
	129481	<i>Renewable Energy Sources*</i>	<i>15+0+30</i>	<i>3</i>
	129483	<i>3D Design*</i>	<i>15+0+30</i>	<i>3</i>
	129482	<i>Joining Techniques*</i>	<i>15+0+30</i>	<i>3</i>
	129487	<i>Choice from other HEI 1 – 4th semester</i>	<i>15+0+30</i>	<i>3</i>
	129488	<i>Choice from other HEI 2 – 4th semester</i>	<i>15+0+30</i>	<i>3</i>
5 th semester (winter)	129493	Production Technologies II*	30+0+30	6
	129490	CNC Machining Systems	30+0+30	5
	129491	Technical Measurement and Control*	15+0+30	4
	129492	Industrial Maintenance*	30+0+30	4
	129494	Technological Preparation for Production	30+0+30	5

	<i>129500</i>	<i>Basics of Mechanical Operations</i>	<i>15+0+30</i>	<i>3</i>
	<i>129495</i>	<i>Pneumatics and Hydraulics</i>	<i>15+0+30</i>	<i>3</i>
	<i>129501</i>	<i>Surface Engineering</i>	<i>15+0+30</i>	<i>3</i>
	<i>129498</i>	<i>Cooling Techniques</i>	<i>15+0+30</i>	<i>3</i>
6 th semester (summer)	129507	Production Technologies III*	30+0+30	6
	129504	Quality Control*	30+0+30	4
	129506	Professional Training II		5
	129508	Final Year Project		15

L - LECTURES, S - SEMINARS, T – TUTORIALS

Elective courses in italic

Courses available in English Language *