

COURSE STRUCTURE

2025-11175 Technologies and operations management (AZ) Master

1						2					
No	Course code	Title	Th	Pr	Ects	No	Course code	Title	Th	Pr	Ects
1	SM 527	Research methods	3	0+0	6	1	SM 552	Research analytics	3	0+0	6
2	RiY 505	Mathematical planning of research and processing of results	2	1+0	6	2	SM 546	Optimization of technological processes	2	1+0	6
3	MEX 503	CAD/CAM-CAE systems	2	1+0	6	3	AZD 501	Academic writing and ethics	3	0+0	6
4	XXX XXX	[AE] Field elective course #1	2	1+0	6	4	XXX XXX	[AE] Area elective course #3	2	1+0	6
5	XXX XXX	[AE] Area elective course #2	2	1+0	6	5	XXX XXX	[AE] Area elective course #4	2	1+0	6
Subtotal: 30						Subtotal: 30					

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№	Course code	Title	Th	Pr	Ects
1	SM 629	Computer programming in technological equipment	2	1+0	6
2	SM 631	Systematic analysis of technological equipment	2	1+0	6
3	SM 633	Technological equipment management systems	2	1+0	6
4	XXX XXX	[AE] Area elective course #5	2	1+0	6
5	XXX XXX	[AE] Area elective course #6	2	1+0	6

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	SM 670	Pedagogical Study	0	0+0	6
2	SM 680	Research Study	0	0+0	6
3	SM 690	Master Thesis	0	4+0	18

Subtotal: 30

Total ECTS credits: **120**

AE - Area Elective Courses

№	Course code	Title	Th	Pr	Ects
1	SM 523	Fundamentals of technology and operations management	2	1+0	6
2	SM 525	Ergonomics and technical design in the management of technological equipment	2	1+0	6
3	SM 548	Quality control in technological processes	2	1+0	6
4	SM 550	Raw materials and control mechanisms for equipment management	2	1+0	6
5	SM 635	A comprehensive engineering approach to equipment management	2	1+0	6
6	SM 637	Safe management of technological processes	2	1+0	6

NAE - Non-Area Elective Courses

No	Course code	Title	Th	Pr	Ects