Mechanical Engineer BSc. 2021, regular

Subject - Subject element	Code	Prerequisite	1st semester					2nd semester					3tht semester					4th semester					5th semester					6th semester					7th semester					Summary				
			Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab
Mechanics I	GGEPBAN-MECHANI1-1		Grade	4	1	2																																4	1	2	0
Chemistry	GGEPBAN-KEMIAG__-1		Exam	3	2		1																															3	2	0	1
Mathematics I	GGEPBAN-ANALIZI1-1		Grade	5	2	2																																5	2	2	0
Physics	GGEPBAN-FIZIKA__-1		Exam	5	2	2																																5	2	2	0
General Mechanics	GGEPBAN-ALGEPTAN-1							Exam	4	2	1																											4	2	1	0
Technical Mechanics II	GGEPBAN-MECHANI2-1	Mechanics I						Exam	4	2	2																											4	2	2	0
Heat technologies	GGEPBAN-HOTAN___-1							Exam	4	2	2																											4	2	2	0
Technical Physical Laboratory	GGEPBAN-MUSZAFIL-1	Physics																Grade	2			2																2	0	0	2
Mathematics II	GGEPBAN-ANALIZI2-1	Mathematics I						Exam	5	2	2																											5	2	2	0
Technical Mechanics III	GGEPBAN-MECHANI3-1	Technical Mechanics II											Exam	4	2	2																						4	2	2	0
Mathematics III	GGEPBAN-ANALIZI3-1	Mathematics II											Exam	4	3	1	1																					4	3	1	1
Total knowledge of natural Sciences:				**17**	**7**	**6**	**1**		**17**	**8**	**7**	**0**		**8**	**5**	**3**	**1**		**2**	**0**	**0**	**2**		**0**	**0**	**0**	**0**		**0**	**0**	**0**	**0**		**0**	**0**	**0**	**0**		**44**	**20**	**16**	**4**

Subject - Subject element	Code	Prerequisite	1st semester					2nd semester					3tht semester					4th semester					5th semester					6th semester					7th semester					Summary				
			Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab
Transveersal knowledge G	GGEPBAN-TRANSZIS-2		Grade	1		1																																1	0	1	0
Economics	GGEPBAN-KOZGGAZD-1												Exam	4	1	1																						4	1	1	0
Enterprise Economics	GGEPBAN-VALLGAZT-1																	Exam	4	1	1																	4	1	1	0
Management	GGEPBAN-MENEDZSM-1																	Exam	4	2	1																	4	2	1	0
Law	GGEPBAN-JOGIISME-1																						Exam	4	1	1												4	1	1	0
Total Economic and human sciences:				**1**	**0**	**1**	**0**		**0**	**0**	**0**	**0**		**4**	**1**	**1**	**0**		**8**	**3**	**2**	**0**		**4**	**1**	**1**	**0**		**0**	**0**	**0**	**0**		**0**	**0**	**0**	**0**		**17**	**5**	**5**	**0**

Subject - Subject element	Code	Prerequisite	1st semester					2nd semester					3tht semester					4th semester					5th semester					6th semester					7th semester					Summary				
			Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab
Technical IT	GGEPBAN-MUSZINFO-1		Exam	4	2		2																															4	2	0	2
Engineering Drawing	GGEPBAN-MUSZAABR-2		Grade	4	1		3																															4	1	1	1
Safety and Protection	GGEPBAN-MUNKBIZT-1		Exam	2	2																																	2	2	0	0
Materials Engineering G1	GGEPBAN-ANYAGIG1-1		Grade	5	2		2																															5	2	0	2
Electrical Engineering C	GGEPBAN-ELEKTROT-2							Grade	4	2	2	0																										4	2	3	0
Machine Elements AI	GGEPBAN-GEPELEM1-2	Engineering Drawing											Grade	4	2		2																					5	2	1	1
Materials Engineering G2	GGEPBAN-ANYAGIG2-1	Materials Engineering G1						Exam	4	2		2																										4	2	0	2
Control engineering	GGEPBAN-SZABTECH-1	Electrical Engineering C											Exam	3	2	1																						3	2	1	0
Machine Elements AII	GGEPBAN-GEPELEM2-2	Machine Elements AI																Exam	4	2		2																4	2	1	1
Computer Aided Engineering	GGEPBAN-CADTECHN-1	Engineering Drawing						Grade	3			2																										2	0	0	2
Measurement in Mechanical Engineering I.	GGEPBAN-GEPIMER1-1												Grade	3	1		2																					3	1	0	2
Primary Technologies	GGEPBAN-ELOGYTEC-1												Exam	3	2		2																					3	2	0	2
Hydrodynamics	GGEPBAN-ARAMLAST-1	Heat technologies											Exam	3	2	1																						3	2	1	0
Computer aided design	GGEPBAN-SZAMTERV-1												Grade	3	1		2																					3	1	0	2
Production Technology I.	GGEPBAN-GEPGYAR1-2																	Exam	4	2		2																4	2	1	1
Quality Assurance	GGEPBAN-MINOSEGU-1																						Exam	3	2	1												3	2	1	0
Heat and flow machines	GGEPBAN-HOARAGEP-1	General Mechanics																					Exam	2	1		1											2	1	0	1
Mechanical Technologies	GGEPBAN-MECHATEC-1																	Grade	4	2		2																4	2	0	2
Pneumatics	GGEPBAN-PNEUIRAN-1																	Grade	5	2		2																5	2	0	2
Polymer Processing I	GGEPBAN-MUANTEC1-1																	Exam	5	2		2																5	2	0	2
Hydraulics	GGEPBAN-HIDRAIRA-1																						gy	4	2		2											4	2	0	2
Total professional knowledge of mechanical engineering				**15**	**7**	**0**	**7**		**11**	**4**	**2**	**4**		**19**	**10**	**2**	**8**		**22**	**10**	**0**	**10**		**9**	**5**	**1**	**3**		**0**	**0**	**0**	**0**		**0**	**0**	**0**	**0**		**76**	**36**	**10**	**27**

Subject - Subject element	Code	Prerequisite	1st semester					2nd semester					3tht semester					4th semester					5th semester					6th semester					7th semester					Summary				
			Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab
CNC Technology I	GGEPBAN-CNCTECH1-1	Production Technology I.+100 kr																					Grade	4	2		2												4	2	0	2
Production Technology II.	GGEPBAN-GEPGYAR2-1	Production Technology I.+100 kr																					Grade	3	2		2												3	2	0	2
Introduction to the PLC programming and Robotics	GGEPBAN-BEVPLCRO-1	Pneumatics+100 kr																					Grade	4	2		2												4	2	0	2
Introduction to the Metal Forming	GGEPBAN-BEVAKEPL-1	100 kr																					Exam	4	2		2												4	2	0	2
CNC Technology II	GGEPBAN-CNCTECH2-1	CNC Technology I+100 kr																										Grade	4	2		2							4	2	0	2

Logistics A	GGEPBAN-LOGISZTI-2	100 kr																										Grade	2	2									4	2	1	0
CAD/CAM Systems	GGEPBAN-CADCAMRE-1	CNC Technology I+100 kr																										Exam	5	2		2							5	2	0	2
Assembly Technology	GGEPBAN-SZERELTE-1	100 kr																										Exam	5	2		1							5	2	0	1
Modern Manufacturing Technologies	GGEPBAN-MODGTECH-1	Production Technology I.+100 kr																										Grade	2	2		1										
Machine Tools	GGEPBAN-SZERSZGE-1	100 kr																										Grade	4	2		1							4	2	0	1
Workholding System	GGEPBAN-KESZSZER-1	Production Technology I.+100 kr																															Exam	5	2		2		5	2	0	2
Total professional knowledge of Manufacturing specialization				0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		15	8	0	8		22	10	1	6		5	2	0	2		42	20	1	16

Subject - Subject element	Code	Prerequisite	1st semester					2nd semester					3tht semester					4th semester					5th semester					6th semester					7th semester					Summary				
			Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab
Computer-integrated Manufacturing	GGEPBAN-SZAMINGY-1	Production Technology I.+100 kr																					Grade	3	2		2												3	2	0	2
Computer Aided Design Tools	GGEPBAN-SZESZATE-1	100 kr + Computer aided design																					Grade	2			2												2	0	0	2
Sheet metal forming	GGEPBAN-LEMEZALA-1	100 kr + Computer aided design																					Exam	4	2		2												4	2	0	2
Planning task	GGEPBAN-TERVFELA-2	100 kr																										Grade	3			2							2	0	0	2
Assembly Technology and Workholding Systems	GGEPBAN-SZERKESZ-1	Production Technology I.+100 kr																										Grade	5	2		2							5	2	0	2
Material Testing	GGEPBAN-ANYVIZSG-2	Materials Engineering G2 + 100 kr																										Grade	3	1		1							2	1	0	1
Material technology equipment	GGEPBAN-ANYAGBER-1	100 kr																										Exam	3	1		1							3	1	0	1
Metal Forming	GGEPBAN-KEPLEKEN-1	Materials Engineering G2+100 kr																										Exam	5	2		2							5	2	0	2
Special Materials and Technologies	GGEPBAN-KULANYTE-1	Chemistry+100 kr																										Grade	3	2									3	2	0	0
Logisztika	GGEPBAN-LOGISZTI-2	100 kr																										Grade	2	2									4	2	1	0
Quality Assurance II	GGEPBAN-MINOSEG2-1	Quality Assurance+100 kr																										Exam	4	2		1							4	2	0	1
Quality Assurance III	GGEPBAN-MINOSEG3-1	Quality Assurance II+100 kr																															Exam	5	2		2		5	2	0	2
Total professional knowledge of Material technologies and Quality specialization				0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		9	4	0	6		28	12	1	9		5	2	0	2		42	18	1	17

Subject - Subject element	Code	Prerequisite	1st semester					2nd semester					3tht semester					4th semester					5th semester					6th semester					7th semester					Summary				
			Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab
LabView Programming	GGEPBAN-LABVPROG-1	100 kr																					Grade	4			4												4	0	0	4
Electronics	GGEPBAN-ELEKTRON-1	Electrical Engineering C+100 kr																					Exam	4	2		2												4	2	0	2
Computer-integrated Manufacturing	GGEPBAN-SZAMINGY-1	Production Technology I.+100 kr																					Grade	3	2		2												3	2	0	2
PLC Controll of Industrial Equipment	GGEPBAN-IPBERPLC-1	Pneumatics+100 kr																					Grade	4	2		2												4	2	0	2
Industrial System Technology	GGEPBAN-IPARIREN-1	PLC Controll of Industrial Equipment+100 kr																										Exam	5	2		2							5	2	0	2
Mechatronic planning	GGEPBAN-MECHATRT-1	Machine Elements AII +100 kr																										Grade	4	2		2							4	2	0	2
Industrial Process Measurement	GGEPBAN-IPFOLYME-1	LabView Programming+100 kr																										Exam	4	2		2							4	2	0	2
Assembly Technology and Workholding Systems	GGEPBAN-SZERKESZ-1	Production Technology I.+100 kr																										Grade	5	2		2							5	2	0	2
Physics of Sensors	GGEPBAN-ERZEKFIZ-1	Electronics+100 kr																										Grade	4	2		2							4	2	0	2
Robotics	GGEPBAN-ROBOTTEC-1	PLC Controll of Industrial Equipment+100 kr																															Exam	5	2		2		5	2	0	2
Total professional knowledge of Mechatronics specialization				0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		15	6	0	10		22	10	0	10		5	2	0	2		42	18	0	22

Subject - Subject element	Code	Prerequisite	1st semester					2nd semester					3tht semester					4th semester					5th semester					6th semester					7th semester					Summary				
			Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab
Properties of plastics	GGEPBAN-MUANYFIE-1	100 kr																					Exam	3	2														3	2		0
Circular plastics industry	GGEPBAN-SZAMINGY-1	100 kr																					Exam	2	2														2	2		0
Circular plastics industry laboratory	GGEPBAN-BEVPLCRO-1	100 kr																					Grade	2			2												2	0		2
Extrusion technologies		Polymer Processing I+100 kr																					Exam	3	2														3	2		0
Extrusion technologies laboratory		Polymer Processing I+100 kr																					Grade	2			2												2	0		2
Plastic rheology		Properties of plastics +100 kr																										Grade	3	2									3	2		0
Plastic rheology laboratory		Properties of plastics +100 kr																										Grade	2			2							2	0		2
Tools and peripherals for plastic processing		Polymer Processing I.+100 kr																										Exam	3	2									3	2		0
Tools and peripherals for plastic processing laboratory		Polymer Processing I+100 kr																										Grade	2			2							2	0		2
Injection molding technologies		Polymer Processing I+100 kr																										Exam	3	2									3	2		0
Injection molding technologies laboratory		Polymer Processing I+100 kr																										Grade	2			2							2	0		2
Technical communication training		100 kr																										Grade	1			1							1	0		1
Project task I		Polymer Processing I+100 kr																										Grade	2			4							2	0		4
Analysis of plastics	GGEPBAN-LOGISZTI-2	Plastic rheology +100 kr																										Exam	3	2									0	0		0
Analysis of plastics laboratory	GGEPBAN-MUAFSZG1-1	Plastic rheology +100 kr																										Grade	2			2							0	0		2
Machinery and peripherals for plastic processing	GGEPBAN-MUANTEC2-1	Polymer Processing I+100 kr																															Exam	3	2				3	2		0
Machinery and peripherals for plastic processing laboratory	GGEPBAN-MUANTUVI-1	Polymer Processing I+100 kr																															Grade	2			2		2	0		2
Project task II.	GGEPBAN-MUAFSZG2-1	Project task I+ 100 kr																															Grade	2			4		2	0		4
Total professional knowledge of Polymer technologies specialization				0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		12	6	0	4		23	8	0	13		7	2	0	6		37	14	0	23

Subject - Subject element	Code	Prerequisite	1st semester					2nd semester					3tht semester					4th semester					5th semester					6th semester					7th semester					Summary				
			Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab
Measuring of competence (input)	GGEPBAN-KOMPMBEM-1		Sign	0	0	0	1																															0	0	0	1
University civics	GGEPBAN-EGYPOISM-1		Sign	0	1	0	0																																		
Physical Education I	GGEPBAN-TESTNEV1-1		Sign	0		2																																0	0	2	0
Physical Education II	GGEPBAN-TESTNEV2-1	Physical Education I						Sign	0		2																											0	0	2	0
Foreign Language	GGEPBAN-IDANGOL1-1, GGEPBAN-IDANGOL2-1							Grade	3		2																											3	0	2	0
Foreign Language	GGEPBAN-IDNEMET1-1, GGEPBAN-IDNEMET2-1	Foreign Language											Grade	3		2																						3	0	2	0
Thesis	GGEPBAN-SZAKDOLG-1	180 kr																															Sign	15				15	0	0	0
Mandatory Internship (6 weeks)	GGEPBAN-SZAKGYAK-1	165 kr																															Sign	0				0	0	0	0
Free selected subjects min. 10 kr																								5		5			5		5							10	0	10	0
Measuring of competence (output)	GGEPBAN-KOMPMKIM-1																																Sign	0	0	0	1	0	0	0	1
Summary others				0	0	2	0		3	0	4	0		3	0	2	0		0	0	0	0		5	0	5	0		5	0	5	0		15	0	0	0		31	0	18	2

	1st semester					2nd semester					3tht semester					4th semester					5th semester					6th semester					7th semester					Summary				
	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Lab	Evaluation	Credit	Lecture	Exercise	Laab	Evaluation	Credit	Lecture	Exercise	Lab
		4					5					7					4					7					12					4									
		4					4					3					3					11					10					0									
		1					1					0					0					0					0					2									
		33	14	10	6		33	14	15	3		33	15	9	8		31	12	3	11		33	14	7	11		27	10	6	6		20	2	0	2		210	81	50	49
		33	7	9	1		33	8	11	0		33	6	6	1		31	3	2	2		27	5	6	6		33	12	6	9		20	2	0	2		210	43	40	23
		33	14	10	6		33	14	15	3		33	15	9	8		31	12	3	11		33	12	7	13		27	10	5	10		20	2	0	2		210	79	49	55
		33	14	10	6		33	14	15	3		33	15	9	8		31	12	3	11		30	12	7	9		30	10	7	7		20	2	2	0		210	79	53	46