TECHNICAL UNIVERSITY OF VARNA

Ratified by:
Rector of TU-Varna: .....
/ Prof. PhD Valchev V. /

CURRICULUM

Proffesional orientation: **Machine Engineering**

Program: **Agriculture Technique and Technologies**

Proffesional qualification: **Specialist in Agriculture Technique and Technologies**

Educational and qualificational degree: **Professional Bachelor**

Form of study: **Full - Time**

Term of study: **3 years / 6 semesters**

No	Subject Name	Types of term control				Semester auditorium load					Unsupervised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mathematics, part 1	1				15	45			60	105	165	6
2	Chemistry	1				30		30		60	75	135	5
3	Material Science and Technology, part 1	1				30		30		60	75	135	5
4	Informatics		1			15		30	15	60	75	135	5
5	Applied Geometry and Engineering Graphics, part 1				1	30		30		60	75	135	5
6	English				1		45			45	75	120	4
7	Elective Subject				1						30	30	1
7a	Specialized Sport Activities, part 1				1						30	30	1
7b	Sport and Social Adaptation, part 1				1						30	30	1
8	Practical Training, part 1				1						60	60	2
Total for the 1 semester:		**3**	**1**		**4**	**120**	**90**	**120**	**15**	**345**	**570**	**915**	**33**
9	Mathematics, part 2	2				30	30			60	75	135	5
10	Physics	2				30		30		60	60	120	4
11	Material Science and Technology, part 2	2				30		30		60	75	135	5
12	Applied Geometry and Engineering Graphics, part 2		2					30	15	45	75	120	4
13	Theoretical Mechanics	2				30	30			60	75	135	5
14	Interchangeability and Technical Measurements		2			30		30		60	75	135	5
15	Elective Subject				2						30	30	1
15a	Specialized Sport Activities, part 2				2						30	30	1
15b	Sport and Social Adaptation, part 2				2						30	30	1
16	Practical Training, part 2				2						60	60	2
Total for the 2 semester:		**4**	**2**		**2**	**150**	**60**	**120**	**15**	**345**	**525**	**870**	**31**
17	Strength of Materials	3				30		15		45	90	135	5
18	Machine Elements	3				30		30		60	75	135	5
19	Manufacturing Technology		3			30		15		45	90	135	5
20	Theory of Mechanisms and Machines	3				30	15			45	90	135	5
21	Fluid Mechanics		3			30		15		45	90	135	5
22	Principles of Plant-growing and Stock-breeding	3				30		30		60	75	135	5
23	Elective Subject				3						30	30	1

No	Subject Name	Types of term control				Semester auditorium load					Unsupervised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
23a	Specialized Sport Activities, part 3				3						30	30	1
23b	Sports Management, part 1				3						30	30	1
24	Practical Training, part 3				3						90	90	3
	Total for the 3 semester:	**4**	**2**		**2**	**180**	**15**	**105**		**300**	**630**	**930**	**34**
25	Agricultural Machinery, part 1	4				30		30		60	75	135	5
26	Elective Subject	4				30		30		60	75	135	5
26a	Motor Vehicles Engineering	4				30		30		60	75	135	5
26b	Mechanizing Technologies in Agriculture	4				30		30		60	75	135	5
27	Stock-breeding Machinery	4				30		30		60	105	165	6
28	Hydro- and Pneumatic Machines in Agriculture		4			30		15	15	60	75	135	5
29	Tractors and Cars	4				30		30		60	75	135	5
30	Agricultural Machinery, project			4					30	30	30	60	2
31	Elective Subject				4						30	30	1
31a	Specialized Sport Activities, part 4				4						30	30	1
31b	Sports Management, part 2				4						30	30	1
32	Practical Training, part 4				4						90	90	3
	Total for the 4 semester:	**4**	**1**	**1**	**2**	**150**		**135**	**45**	**330**	**555**	**885**	**32**
33	Technical Safety		5			15		15		30	90	120	4
34	Electrical Engineering and Electronics		5			30		30		60	75	135	5
35	Principles of Agricultural Machinery Repair	5				30		30		60	105	165	6
36	Agricultural Machinery, part 2	5				30		30		60	105	165	6
37	Elective Subject	5				30		30		60	90	150	5
37a	Technical Servicing of Agricultural Machinery	5				30		30		60	90	150	5
37b	Using the Machine in Agriculture	5				30		30		60	90	150	5
38	Economics	5				30	15			45	75	120	4
39	Practical Training, part 5				5						60	60	2
	Total for the 5 semester:	**4**	**2**		**1**	**165**	**15**	**135**		**315**	**600**	**915**	**32**
40	Road Safety		6			30		30		60	75	135	5
41	Electronic Systems	6				30		30		60	75	135	5
42	Elective Subject	6				30		30		60	75	135	5
42a	Alternative Source of Energy	6				30		30		60	75	135	5
42b	Management of Agrarian Company	6				30		30		60	75	135	5
43	Precise Agriculture	6				30		30		60	105	165	6
44	Specialized Practice				6						90	90	3
	Total for the 6 semester:	**3**	**1**		**1**	**120**		**120**		**240**	**420**	**660**	**24**
	Total for all corses of education:	**22**	**9**	**1**	**12**	**885**	**180**	**735**	**75**	**1875**	**3300**	**5175**	**186**

Facultative subjects

No	Subject Name	Types of term control				Semester auditorium load incl:					Unsupervised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Types of graduation	Semester	Unsupervised load	ECTS credits
Preparation of Diploma Thesis / Preparation for State Examination	6	300	10
Defence of Diploma Thesis / State Examination	6		

Accepted from AU with

Protocol No 41 / 22.04.2019

Valid from the 2017 / 2018 academic year.

The weekly allocation of the classes is fixed according to the "Structure of the Learning Process" Academic Board adopted for the current academic year.

Head of Department TMTM:

/ Assoc. Prof. PhD Kirov K. /

Dean of Faculty FMET:

/ Assoc. Prof. PhD Antonov G. /

04.09.2019