UNIVERSITY „GOCE DELCHEV" SHTIP
MILITARY ACADEMY
„General Mihailo Apostolski"- Skopje
-associate member-

STUDY PROGRAMS / COURSES IN THE MILITARY ACADEMY "GENERAL MIHAILO APOSTOLSKI" IN SKOPJE, R. MACEDONIA

- ON NATO DEEP REQUEST -
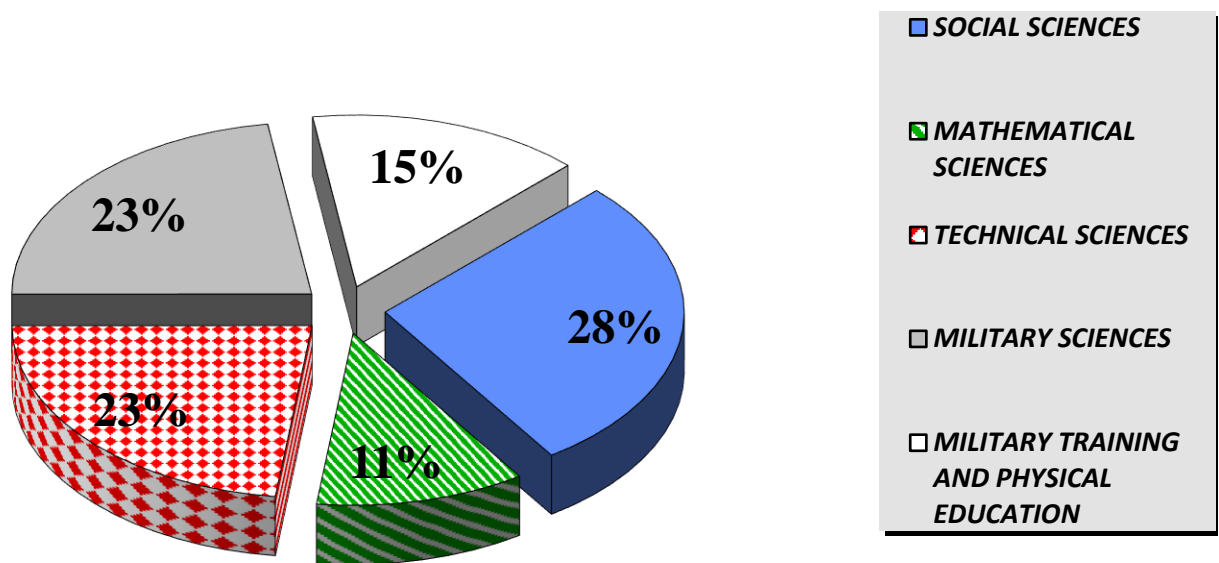
SKOPJE, OCTOBER 2017

I, II AND II CYCLE OF STUDIES - STUDY PROGRAMS -

I CYCLE OF STUDIES (BACHELOR)

The curriculum for FIRST CYCLE provides:

- Fundamental knowledge in social, natural technical and military sciences
- Broader general and technical knowledge for further education
- Basic computer skills for the service
- Good foreign language training (English + other optional language)
- Higher level of military expertise at tactical level
- Physical fitness
- Preparation for the first commanding and other duties

ALLOCATION OF DISCIPLINES IN THE CURRICULUM OF FIRST CYCLE OF STUDY (UGS)

Legend:
- SOCIAL SCIENCES
- MATHEMATICAL SCIENCES
- TECHNICAL SCIENCES
- MILITARY SCIENCES
- MILITARY TRAINING AND PHYSICAL EDUCATION

Pie chart values: 15%, 28%, 11%, 23%, 23%

CADETS AND STUDENTS IN ALL 4 YEAR OF BACHELOR STUDIES – CURRENT

Year	Σ				
I	**34** (m - 23, f - 11)	**25** (cad. - 25, stud. - 0)	2	5	2
II	**35** (m - 26, f - 9)	**27** (cad. - 20, stud. - 7)	3	4	1
III	**50** (m - 33, f - 7)	**38** (cad. - 30, stud. - 8)	3	2	4
IV	**36** (m - 27, f - 9)	**33** (cad. - 26, stud. - 7)	2	-	1

NOTE: STUDY PROGRAMS (CURRICULUM) FOR ALL BACHELOR'S STUDY PROGRAMS FOR 1-ST AND 2-ND YEAR, EXCEPT FOR CRISIS MANAGEMENT, PROTECTION AND RESCUE, ARE SAME

ALL PROGRAMS – I CYCLE

First Year – First Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ101	Mathematics 1	МАТ 1	8	2+4	78
2.	ZZ102	Physics 1	ФИЗ 1	6	2+2	52
3.	ZZ103	English Language 1	АЈ 1	4	2+2	52
4.	ZZ104	Armament with the theory and practice of shooting	ВТПГ	4	2+2	52
5.	IZ105	Elective faculty subject from Lust 1-1	ИЗ 1	4	2+1	39
6.	IZ106	Elective faculty subject from List 1-2	ИЗ 2	4	2+2	52
Total				**30**	**12+13**	**325**

List No.1-1 of Elective Faculty subjects (choose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ1051	Constitutional Law with Political System	УППС	4	2+1	39
2.	IZ1052	Constitutional Law	УП	4	2+1	39

List No.1-2 of Elective Faculty subjects (choose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ1061	Informatics and Digital Communications	ИНФ	4	2+2	39
2.	IZ1062	Information Management and Information Technologies	УИИТ	4	2+2	39

First Year – Second Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL201	Mathematics 2	МАТ 2	6	2+4	90
2.	ZL202	Physics 2	ФИЗ 2	6	2+2	60
3.	ZL203	Applied Geography with Topography	ОХ	4	2+2	60
4.	ZL204	English Language 2	АЈ 2	4	2+2	60
5.	IL205	Elective faculty subject from List 2-1	ИЗ 1	6	3+2	60
6.	IUL201	Elective university subject from list no.9	ИУЗ 1	4	2+1	45
7.		Practical classes* (Camp 1)				
Total				**30**	**13+13**	**390**

* Practical work - mandatory realization for the next academic year

List 2-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	IL2051	Military Topography with Geography	ВТГ	6	3+2	75
4.	IL2052	Cartography	КАРТ	6	3+2	75

Second Year – Third Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ301	Fundamentals of Electrical Engineering	ОЕЛ	6	2+2	60
2.	ZZ302	Environmental Chemistry	ХЖС	6	2+2	60
3.	ZZ303	General Tactics 1	ОТ 1	6	2+1	45
4.	IZ304	Elective faculty subject from List 3-1	ИЗ 1	4	2+2	60
5.	IZ305	Elective faculty subject from List 3-1	ИЗ 2	4	2+2	60
6.	IUZ302	Elective university subject from list no.9	ИУЗ 1	4	2+1	45
7.		Practical classes * (Training in winter and skiing)				60
Total				**30**	**13+13**	**390**

* Practical work - mandatory realization for the next academic year

List 3-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ3041	Military History	ВИ	4	2+2	60
2.	IZ3042	National History	НИ	4	2+2	60

List 3-2 of elective faculty subjects (chose 1 subject)

Ред. бр.	Код на предмет	Предмети	Кратенка	ECTS	Фонд на часови	Вкупно часови
1.	IZ3051	English Language 3	АЈ 3	4	2+2	60
2.	IZ3052	English Language with Military Terminology 1	АЈВТ1	4	2+2	60

Second Year – Fourth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL401	Internal Combustion Engines and Vehicles	ММВ	6	2+2	60
2.	ZL402	General Tactics 2	ОТ 2	6	2+2	60
3.	IL403	Elective faculty subject from List 4-1	ИЗ 1	6	2+2	60
4.	IL404	Elective faculty subject from List 4-2	ИЗ 2	4	2+2	60
5.	IUL403	Elective university subject from list no.9	ИУЗ 1	4	2+2	60
6.	IUL404	Elective university subject from list no.9	ИУЗ 2	4	2+1	45
7.		Practical classes * (Camp 2 and Training on Water and Swimming)				
Total				**30**	**12+11**	**345**

* Practical work - mandatory realization for the next academic year

List 4-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ4031	Systems Theory	ТС	6	2+2	60
2.	IZ4032	Methods of Operations Research	МОИ	6	2+2	60

List 4-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ3051	English Language 4	AJ 4	4	2+2	60
2.	IZ3052	English Language with Military Terminology 2	AJBT2	4	2+2	60

RESOURCE MANAGEMENT – INFANTRY BRANCH

Third Year – Fifth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ501	Modeling and Simulations	MC	6	2+2	60
2.	UZ501	Ballistics	БАЛ	8	2+2	60
3.	PZ501	Infantry Weapons and Instruction in Shooting 1	ПВНГ1	8	1+4	75
4.	IZ502	Elective faculty subject from List 5-1	ИЗ 1	4	2+1	45
5.	IZ503	Elective faculty subject from List 5-2	ИЗ 2	4	2+2	60
Total				**30**	**9+11**	**300**

List 5-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ5021	Classical Weapons	КВ	6	2+1	45
2.	IZ5022	Theoretical Foundations of Weapons	ТОВ	6	2+1	45

List 5-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ5031	English Language 5	AJ 5	4	2+2	60
2.	IZ5032	English Language with Military Terminology 3	AJBT3	4	2+2	60

Third Year – Sixth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL601	Information technologies in support of the defence and security	ИТПОБ	6	2+2	60
2.	PL602	Infantry Weapons and Instruction in Shooting 2	ПВНГ2	6	1+4	75
3.	UIL602	Elective faculty subject from List 6-1	ИЗ 1	6	2+2	60
4.	UIL603	Elective faculty subject from List 6-2	ИЗ 2	4	2+2	60
5.	IL604	Elective faculty subject from List 6-3	ИЗ 3	4	2+2	60
6.	IUL605	Elective university subject from list no.9	ИУЗ 1	4	2+1	45
7.		Practical classes * (Training in driving a motor vehicle and passing a driving test)				120
		Total		**30**	**12+11**	**345**

* Practical work - mandatory realization for the next academic year

List 6-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	UIL6021	Ammunition and Explosive Substances	MEM	6	2+2	60
2.	UIL6022	Explosive Effects and Applications	EEA	6	2+2	60

List 6-2 of elective faculty (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	UIL6031	Fire Management Systems	СУО	4	2+2	60
2.	UIL6032	Missile Weapons Management and Guidance Systems	СУВРВ	4	2+2	60

List 6-3 of elective faculty subjects изборни факултетски предмети (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL3051	English Language 6	AJ 6	4	2+2	60
2.	IL3052	English Language with Military Terminology 4	AJBT4	4	2+2	60

Forth Year – Seventh Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ701	Evolution of the warfare	ЕВ	4	2+2	60
2.	ZZ702	Management and Leadership	РЛ	4	2+1	45
3.	ZZ703	Tactics of peace operations and conflict prevention	ТМОПК	4	2+1	45
4.	PZ701	Methodology of Infantry Weapons and Shooting Teaching	МПВНГ	4	1+3	60
5.	PIZ702	Elective faculty subject from List 7-1	ИЗ 1	6	2+2	60
6.	IZ704	Elective faculty subject from List 7-2	ИЗ 2	4	2+2	60
7.		Practical classes * (Internship in ARM unita)				
Total				**26**	**11+11**	**330**

* Practical work - mandatory realization for the next academic year

List 7-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	PIZ7021	Methodology of Infantry Tactical Training	МТО	6	2+2	60
2.	PIZ7022	Methodology of Specialized Training of Infantry	МСОП	6	2+2	60

List 7-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ7041	:English Language 7	АЈ 7	4	2+2	60
2.	IZ7042	English Language with Military Terminology 5	АЈВТ5	4	2+2	60

Forth Year – Eight Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL801	International Military and Humanitarian Law	МВХП	4	2+2	60
2.	PL801	Infantry Tactics	ТРП	6	3+1	60
3.	PL802	Armored Combat Vehicles 1	ОБВ1	4	2+1	45
4.	PL803	Weapons of Armored Infantry Vehicles	ВОБВ	4	1+2	45
5.	ZL802	Course for Platoon Commanders - Infantry	ККВП	8		0
6.	ZL803	Diploma work		4		
7.	IL804	Elective faculty subject from List 8-1	ИЗ 2	4	2+2	60
Total				**34**	**10+8**	**270**

List 8-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL8041	English Language 8	AJ 8	4	2+2	60
2.	IL8042	English Language with Military Terminology 6	AJBT6	4	2+2	60

RESOURCE MANAGEMENT – ARTILERY BRANCH

Third Year – Fifth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ501	Modeling and Simulations	MC	6	2+2	60
2.	UZ501	Ballistics	БАЛ	8	2+2	60
3.	AZ501	Shooting Theory 1	ТГ	8	2+2	60
4.	IZ502	Elective faculty subject from List 5-1	ИЗ 1	4	2+1	45
5.	IZ503	Elective faculty subject from List 5-2	ИЗ 2	4	2+2	60
Total				**30**	**10+9**	**285**

List 5-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ5021	Classical Weapons	KB	4	2+1	45
2.	IZ5022	Theoretical Foundations of Weapons	TOB	4	2+1	45

List 5-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ5031	English Language 5	AJ 5	4	2+2	60
2.	IZ5032	English Language with Military Terminology 3	AJBT3	4	2+2	60

Third Year – Sixth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL601	Information technologies in support of the defence and security	ИТПОБ	6	2+2	60
2.	AL601	Artillery weapons, equipment and instruments	АВОИ	6	2+4	90
3.	UIL602	Elective faculty subject from List 6-1	ИЗ 1	6	2+2	60
4.	UIL603	Elective faculty subject from List 6-2	ИЗ 2	4	2+2	60
5.	IL604	Elective faculty subject from List 6-3	ИЗ 3	4	2+2	60
6.	IUL605	Elective university subject from List 9	ИУЗ 1	4	2+1	45
7.		Practical classes * (Training in driving a motor vehicle and passing a driving test)				120
Total				**30**	**12+13**	**495**

* Practical work - mandatory realization for the next academic year

List 6-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	UIL6021	Ammunition and Explosive Substances	MEM	6	2+2	60
2.	UIL6022	Explosive Effects and Applications	EEA	6	2+2	60

List 6-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	UIL6031	Fire control systems	СУО	4	2+2	60
2.	UIL6032	Systems for management and guidance in missile armament	СУВРВ	4	2+2	60

List 6-3 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL3051	English Language 6	AJ 6	4	2+2	60
2.	IL3052	English Language with Military Terminology 4	AJBT4	4	2+2	60

Forth Year – Seventh Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ701	Evolution of the warfare	ЕВ	4	2+2	60
2.	ZZ702	Management and Leadership	РЛ	4	2+1	45
3.	ZZ703	Tactics of peace operations and conflict prevention	ТМОПК	4	2+1	45
4.	AZ701	Fire control and handling in artillery units 1	МПВНГ	4	2+2	60
5.	AIZ702	Elective faculty subject from List 7-1	ИЗ 1	6	2+3	75
6.	IZ704	Elective faculty subject from List 7-2	ИЗ 2	4	2+2	60
7.		Practical classes * (Internship in ARM unita)				
Total				**26**	**12+9**	**345**

* Practical work - mandatory realization for the next academic year

List 7-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	PIZ7021	Artillery weapons with the preparation of artillery actions 1	АВПАД 1	6	2+3	75
4.	PIZ7022	Topographic and geodetic preparation of artillery actions	ТГПАД	6	2+3	75

List 7-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	IZ7041	English Language 7	АЈ 7	4	2+2	60
4.	IZ7042	English Language with Military Terminology 5	АЈВТ5	4	2+2	60

Forth Year – Eight Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
8.	ZL801	International Military and Humanitarian Law	МВХП	4	2+2	60
9.	AL801	Artillery Tactics	ТА	6	2+1	45
10.	AL802	Artillery weapons with the preparation of artillery actions 2	АВПАД 2	4	2+3	75
11.	AL803	Fire control and handling in artillery units 2	УРОАРЕ 2	4	2+2	60
12.	ZL802	Course for Platoon Commanders - Artillery	ККВП	8		0
13.	ZL803	Diploma work		4		
14.	IL804	Elective faculty subject from List 8-1	ИЗ 2	4	2+2	60
Total				**34**	**10+10**	**300**

List 8-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	IL8041	English Language 8	АЈ 8	4	2+2	60
4.	IL8042	English Language with Military Terminology 6	АЈВТ6	4	2+2	60

RESOURCE MANAGEMENT – ARMORED MECHANIZED UNITS

Third Year – Fifth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
6.	ZZ501	Modeling and Simulations	MC	6	2+2	60
7.	UZ501	Ballistics	БАЛ	8	2+2	60
8.	AZ501	Shooting Theory 1	ТГ	8	2+2	60
9.	IZ502	Elective faculty subject from List 5-1	ИЗ 1	4	2+1	45
10.	IZ503	Elective faculty subject from List 5-2	ИЗ 2	4	2+2	60
Total				**30**	**10+9**	**285**

List 5-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	IZ5021	Classical Weapons	KB	4	2+1	45
4.	IZ5022	Theoretical Foundations of Weapons	TOB	4	2+1	45

List 5-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	IZ5031	English Language 5	AJ 5	4	2+2	60
4.	IZ5032	English Language with Military Terminology 3	AJBT3	4	2+2	60

Third Year – Sixth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
8.	ZL601	Information technologies in support of the defence and security	ИТПОБ	6	2+2	60
9.	OL601	Elective faculty subject from List 6-1	ИЗ 1	6	2+2	60
10.	IL602	Elective faculty subject from List 6-2	ИЗ 2	6	2+2	60
11.	IL603	Elective faculty subject from List 6-3	ИЗ 3	4	2+2	60
12.	IL604	Elective faculty subject from List 6-4	И34	4	2+2	60
13.	IUL605	Elective university subject from List 9	ИУЗ 1	4	2+1	45
14.		Practical classes * (Training in driving a motor vehicle and passing a driving test)				120
Total				**30**	**12+11**	**345**

* Practical work - mandatory realization for the next academic year

List 6-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	OL6011	Automatic control systems with military application	САУВП	6	2+2	60
4.	OL6012	Rocket Systems	РС	6	2+2	60

List 6-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
5.	IL6021	Ammunition and Explosive Substances	МЕМ	6	2+2	60
6.	IL6022	Explosive Effects and Applications	ЕЕА	6	2+2	60

List 6-3 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	IL6031	Fire control systems	СУО	4	2+2	60
4.	IL6032	Systems for management and guidance in missile armament	СУВРВ	4	2+2	60

List 6-3 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes

3.	IL6041	English Language 6	AJ 6	4	2+2	60
4.	IL6042	English Language with Military Terminology 4	AJBT4	4	2+2	60

Forth Year – Seventh Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
8.	ZZ701	Evolution of the warfare	ЕВ	4	2+2	60
9.	ZZ702	Management and Leadership	РЛ	4	2+1	45
10.	ZZ703	Tactics of peace operations and conflict prevention	ТМОПК	4	2+1	45
11.	OZ701	Armored Combat Vehicles 1	ОБВ1	4	2+2	60
12.	OZ702	Signals and Electronic Warfare	ВЕВ	4	2+1	45
13.	IZ704	Elective faculty subject from List 7-1	ИЗ 2	4	2+2	60
14.		Practical classes * (Internship in ARM unita)				
Total				**26**	**12+9**	**330**

* Practical work - mandatory realization for the next academic year

List 7-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
5.	IZ7041	English Language 7	AJ 7	4	2+2	60
6.	IZ7042	English Language with Military Terminology 5	AJBT5	4	2+2	60

Forth Year – Eight Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
15.	ZL801	International Military and Humanitarian Law	МВХП	4	2+2	60
16.	OZ802	AMU Tactics	ТОМЕ	6	3+1	60
17.	PL802	Armored Combat Vehicles 2	ОБВ2	4	2+1	45
18.	PL803	Armament of armored combat vehicles	ВОБВ	4	1+2	45
19.	ZL802	Course for Platoon Commanders - AMU	ККВП	8		0
20.	ZL803	Diploma woek		4		
21.	IL804	Elective faculty subject from List 8-1	ИЗ 2	4	2+2	60
Total				**34**	**10+8**	**270**

List 8-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
5.	IL8041	English Language 8	AJ 8	4	2+2	60
6.	IL8042	English Language with Military Terminology 6	AJBT6	4	2+2	60

TELECOMMUNICATION IN DEFENCE SYSTEM – SIGNALS BRANCH

Third Year – Fifth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
11.	ZZ501	Modeling and Simulations	MC	6	2+2	60
12.	TZ501	Telecommunication Networks	ТКМ	6	2+2	60
13.	TZ502	Telecommunications	ТЛК	8	3+2	75
14.	TIZ503	Elective faculty subject from List 5-1	ИЗ 1	6	2+2	60
15.	IZ503	Elective faculty subject from List 5-2	ИЗ 2	4	2+2	60
Total				**30**	**11+10**	**315**

List 5-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
5.	TIZ5031	Computer Systems	КСС	6	2+2	60
6.	TIZ5032	Computer Architecture and Networks	КАМ	6	2+2	60

List 5-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
5.	IZ5031	English Language 5	AJ 5	4	2+2	60
6.	IZ5032	English Language with Military Terminology 3	AJBT 3	4	2+2	60

Third Year – Sixth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
15.	ZL601	Information technologies in support of the defence and security	ИТПОБ	6	2+2	60
16.	TL602	Basics of electronics	ОЕЛН	6	2+3	75
17.	TIL602	Elective faculty subject from List 6-1	ИЗ 1	6	2+2	60
18.	TIL603	Elective faculty subject from List 6-2	ИЗ 2	4	2+2	60
19.	IL604	Elective faculty subject from List 6-3	ИЗ 3	4	2+2	60
20.	IUL605	Elective university subject from List 9	ИУЗ 1	4	2+1	45
21.		Practical classes * (Training in driving a motor vehicle and passing a driving test)				120
Total				**30**	**12+12**	**480**

* Практична настава – задолжителна реализација за премин во следна студиска година

List 6-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
7.	TIL6021	Network Architecture and Protocols	МАП	6	2+2	60
8.	TIL6022	Network Devices and Administration	МУА	6	2+2	60

List 6-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
5.	UIL6031	Radio- Telecommunication Systems	РТС	4	2+2	60
6.	UIL6032	Wireless Communications	БКМ	4	2+2	60

List 6-3 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
5.	IL3051	English Language 6	АЈ 6	4	2+2	60
6.	IL3052	English Language with Military Terminology 4	АЈВТ 4	4	2+2	60

Forth Year – Seventh Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
15.	ZZ701	Evolution of the warfare	ЕВ	4	2+2	60
16.	ZZ702	Management and Leadership	РЛ	4	2+1	45
17.	TZ703	Optical Networks	ОМ	4	2+1	45
18.	TZ702	Security in Communication-Information Systems	БКИС	6	2+2	60
19.	TIZ702	Elective faculty subject from List 7-1	ИЗ 1	4	2+2	60
20.	IZ704	Elective faculty subject from List 7-2	ИЗ 2	4	2+2	60
21.		Practical classes * (Internship in ARM unita)				
Total				**26**	**11+11**	**330**

* Практична настава – задолжителна реализација за премин во следна студиска година

List 7-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
5.	PIZ7021	Applied antennas and antenna systems	ПААС	4	2+2	60
6.	PIZ7022	Telecommunication Systems	ТКС	4	2+2	60

List 7-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
7.	IZ7041	English Language 7	АЈ 7	4	2+2	60
8.	IZ7042	English Language with Military Terminology 5	АЈВТ 5	4	2+2	60

Forth Year – Eight Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
22.	ZL801	International Military and Humanitarian Law	МВХП	4	2+2	60
23.	TL801	Signals Tactics	ТАКВ	6	3+2	75
24.	TL802	Communication-Information Systems	КИС	4	3+2	75
25.	TL803	Electronic and Cyber Warfare	ЕСВ	4	2+1	45
26.	ZL802	Course for Platoon Commanders - Signals	ККВВ	8		0
27.	ZL803	Diploma work		4		
28.	IL804	Elective faculty subject from List 8-1	ИЗ 2	4	2+2	60
Total				**34**	**12+9**	**315**

List 8-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
7.	IL8041	English Language 8	АЈ 8	4	2+2	60
8.	IL8042	English Language with Military Terminology 6	АЈВТ 6	4	2+2	60

RESOURCE MANAGEMENT – ENGINEERING BRANCH

Third Year – Fifth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ501	Modeling and Simulations	MC	6	2+2	60
2.	UZ501	Mechanics	MEX	8	2+1	45
3.	INZ501	Design geometry with computer design	НГКД	8	2+3	75
4.	INIZ502	Elective faculty subject from List 5-1	ИЗ 1	6	2+1	45
5.	IZ503	Elective faculty subject from List 5-2	ИЗ 2	4	2+2	60
Total				**30**	**10+9**	**285**

List 5-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	INIZ5021	Foundations of Engineering Geology with Foundation and Applied Geodesy	ОИГФ ПГ	6	2+1	45
2.	INIZ5022	Engineering geology with soil mechanics and geological mapping	ПКЗ	6	2+1	45

List 5-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ5031	English Language 5	AJ 5	4	2+2	60
2.	IZ5032	English Language with Military Terminology 3	AJBT3	4	2+2	60

Third Year – Sixth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL601	Information technologies in support of the defence and security	ИТПОБ	6	2+2	60
2.	INL602	Fundamentals of construction and engineering constructions	ОГИК	6	2+2	60
3.	PVIL601	Elective faculty subject from List 6-1	ИЗ 1	6	2+2	60
4.	PVIL602	Elective faculty subject from List 6-2	ИЗ 2	4	2+2	60
5.	PVIL602	Elective faculty subject from List 6-3	ИЗ 3	4	2+2	60
6.	IL603	Elective university subject from List 9	ИУЗ 1	4	2+1	45
7.		Practical classes * (Training in driving a motor vehicle and passing a driving test)				120
Total				**30**	**12+11**	**330**

*** Practical work - mandatory realization for the next academic year**

List 6-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	UIL6011	Ammunition and explosive substances	MEM	6	2+2	60
2.	UIL6012	Explosive effects and applications	EEA	6	2+2	60

List 6-2 of elective faculty (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	UIL6021	Characteristics of building materials	КГМ	4	2+2	60
2.	UIL6022	Strength of materials	JM	4	2+2	60

List 6-3 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL6031	English Language 6	AJ 6	4	2+2	60
2.	IL6032	English Language with Military Terminology 4	AJBT4	4	2+2	60

Forth Year – Seventh Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ701	Evolution of the warfare	ЕВ	4	2+2	60
2.	ZZ702	Management and Leadership	РЛ	4	2+1	45
3.	ZZ703	Tactics of peace support operations and conflict prevention	ТМОПК	4	2+1	45
4.	INZ701	Roads	ПАТ	4	3+2	75
5.	INIZ702	Elective faculty subject from List 7-1	ИЗ 1	6	2+2	60
6.	IZ704	Elective faculty subject from List 7-2	ИЗ 2	4	2+2	60
7.		Practical classes * (Internship in ARM unit)				
Total				**26**	**13+10**	**345**

* Practical work - mandatory realization for the next academic year

List 7-1 of elective faculty subjects (chose 1 subject)

Ред. бр.	Код на предмет	Предмети	Кратенка	ECTS	Фонд на часови	Вкупно часови
1.	INIZ7021	Creation of obstacles and their overcoming	ЗСП	6	3+2	75
2.	INIZ7022	Trenches construction	УТВ	6	2+2	60

List 7-2 of elective faculty subjects (chose 1 subject)

Ред. бр.	Код на предмет	Предмети	Кратенка	ECTS	Фонд на часови	Вкупно часови
1.	IZ7041	English Language 7	AJ 7	4	2+2	60
2.	IZ7042	English Language with Military Terminology 5	AJBT5	4	2+2	60

Forth Year – Eight Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL801	International Military and Humanitarian Law	МВХП	4	2+2	60
2.	PVZ801	Artillery missile weapons for air defense tactics	ТАРЕПВО	4	3+1	45
3.	INL801	Engineering tactics	ТИ	6	3+2	75
4.	INL802	Construction mechanization	ГМ	4	2+2	60
5.	ZL802	Course for Platoon Commanders - Artillery missile weapons for air defense	ККВП	8		0
6.	ZL803	Diploma work		4		
7.	IL804	Elective faculty subject from List 8-1	ИЗ 2	4	2+2	60
Total				**34**	**11+10**	**315**

List 8-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL8041	English Language 8	AJ 8	4	2+2	60
2.	IL8042	English Language with Military Terminology 6	AJBT6	4	2+2	60

RESOURCE MANAGEMENT – CBRN BRANCH

Third Year – Fifth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ501	Modeling and Simulations	MC	6	2+2	60
2.	AZ501	Selected chapters of organic chemistry	ОПОХ	8	2+2	60
3.	AZ501	Chemistry of chemical weapons	ХБОТ	6	2+2	60
4.	IZ502	Elective faculty subject from List 5-1	ИЗ 1	6	2+2	60
5.	IZ503	Elective faculty subject from List 5-2	ИЗ 2	4	2+2	60
Total				**30**	**10+10**	**300**

List 5-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ5021	General Biology with Toxicology	ОБТ	6	2+2	60
2.	IZ5022	General Biology	ОБ	6	2+2	60

List 5-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ5031	English Language 5	AJ 5	4	2+2	60
2.	IZ5032	English Language with Military Terminology 3	AJBT3	4	2+2	60

Third Year – Sixth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL601	Information technologies in support of the defence and security	ИТПОБ	6	2+2	60
2.	AL602	Nuclear weapon	НО	6	2+2	60
3.	UIL601	Elective faculty subject from List 6-1	ИЗ 1	6	2+2	60
4.	UIL602	Elective faculty subject from List 6-2	ИЗ 2	4	2+2	60
5.	UIL602	Elective faculty subject from List 6-3	ИЗ 3	4	2+2	60
6.	IL603	Elective university subject from List 9	ИУЗ 1	4	2+1	45
7.		Practical classes * (Training in driving a motor vehicle and passing a driving test)				120
Total				**30**	**12+11**	**345**

*** Practical work - mandatory realization for the next academic year**

List 6-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	UIL6011	Ammunition and explosive substances	МЕМ	6	2+2	60
2.	UIL6012	Explosive effects and applications	ЕЕА	6	2+2	60

List 6-2 of elective faculty (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	AIL6021	Toxicology of chemical weapons	ХБОТ	4	2+2	60
2.	AIL6022	Instrumental methods	ИМ	4	2+2	60

List 6-3 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL6031	English Language 6	AJ 6	4	2+2	60
2.	IL6032	English Language with Military Terminology 4	AJBT4	4	2+2	60

Forth Year – Seventh Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ701	Evolution of the warfare	ЕВ	4	2+2	60
2.	ZZ702	Management and Leadership	РЛ	4	2+1	45
3.	AZ703	Chemical and biological weapon	ХБОТ	4	2+1	45
4.	AZ701	Detection and identification of chemical weapons	ДИБОТ	4	2+2	60
5.	AIZ701	Elective faculty subject from List 7-1	ИЗ 1	6	2+2	60
6.	IZ702	Elective faculty subject from List 7-2	ИЗ 2	4	2+2	60
7.		Practical classes * (Internship in ARM unit)				
Total				**26**	**13+10**	**345**

* Practical work - mandatory realization for the next academic year

List 7-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	AIZ7011	Detection and dosimetry of radioactive radiation	ДДРЗ	6	2+2	60
2.	AIZ7012	Nuclear chemical and biological protection	НХБЗ	6	2+2	60

List 7-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ7021	English Language 7	AJ 7	4	2+2	60
2.	IZ7022	English Language with Military Terminology 5	AJBT5	4	2+2	60

Forth Year – Eight Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL801	International Military and Humanitarian Law	МВХП	4	2+2	60
2.	AL801	CBRN Tactics	ТАБХО	6	2+2	60
3.	AL802	Anti-nuclear chemical and biological support	ПНХБП	4	2+2	60
4.	AL803	Radiological chemical and biological decontamination	РХБД	4	2+2	60
5.	ZL802	Course for Platoon Commanders - CBRN	ККВП	8		0
6.	ZL803	Diploma work		4		
7.	IL804	Elective faculty subject from List 8-1	ИЗ 2	4	2+2	60
Total				**34**	**10+10**	**300**

List 8-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL8041	English Language 8	АЈ 8	4	2+2	60
2.	IL8042	English Language with Military Terminology 6	АЈВТ6	4	2+2	60

RESOURCE MANAGEMENT – ARTILLERY ROCKET UNITS FOR AIR DEFENSE BRANCH

Third Year – Fifth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ501	Modeling and Simulations	МС	6	2+2	60
2.	UZ501	Ballistics	БАЛ	8	2+2	60
3.	PZ501	Shooting theory	ТГ	8	2+2	60
4.	IZ502	Elective faculty subject from List 5-1	ИЗ 1	6	2+1	45
5.	IZ503	Elective faculty subject from List 5-2	ИЗ 2	4	2+2	60
Total				**30**	**10+9**	**285**

List 5-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ5021	Classical Weapons	КВ	6	2+1	45
2.	IZ5022	Theoretical Foundations of Weapons	ТОВ	6	2+1	45

List 5-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ5031	English Language 5	AJ 5	4	2+2	60
2.	IZ5032	English Language with Military Terminology 3	AJBT3	4	2+2	60

Third Year – Sixth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL601	Information technologies in support of the defence and security	ИТПОБ	6	2+2	60
2.	PL602	Fire management systems	СУО	6	2+2	60
3.	PVIL601	Elective faculty subject from List 6-1	ИЗ 1	8	2+2	60
4.	PVIL602	Elective faculty subject from List 6-2	ИЗ 2	6	2+2	60
5.	IL603	Elective faculty subject from List 6-3	ИЗ 3	4	2+2	60
6.		Practical classes * (Training in driving a motor vehicle and passing a driving test)				
Total				**30**	**10+10**	**300**

* Practical work - mandatory realization for the next academic year

List 6-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	PVIL6011	Radio, video and laser technology	РВЛТ	8	2+2	60
2.	PVIL6012	Radio, video and laser missile guidance	РВЛВП	8	2+2	60

List 6-2 of elective faculty (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	PVIL6021	Basics of digital technology	ОДТ	6	2+2	60
2.	PVIL6022	Basics of impulse technology	ОИТ	6	2+2	60

List 6-3 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL6031	English Language 6	AJ 6	4	2+2	60
2.	IL6032	English Language with Military Terminology 4	AJBT4	4	2+2	60

Forth Year – Seventh Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ701	Evolution of the warfare	ЕВ	4	2+2	60
2.	ZZ702	Management and Leadership	РЛ	4	2+1	45
3.	ZZ703	Tactics of peace support operations and conflict prevention	ТМОПК	4	2+1	45
4.	PVZ702	Artillery missile weapons for air defense 1	АРВПВО 1	4	4+2	90
5.	PVZ703	Theory and practice for shooting with artillery defense systems	ТПГАС ПВО	6	2+3	75
6.	IZ702	Elective faculty subject from List 7-1	ИЗ 1	4	2+2	60
7.		Practical classes * (Internship in ARM unit)				
Total				**26**	**14+12**	**390**

* Practical work - mandatory realization for the next academic year

List 7-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ7021	:English Language 7	AJ 7	4	2+2	60
2.	IZ7022	English Language with Military Terminology 5	AJBT5	4	2+2	60

Forth Year – Eight Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL801	International Military and Humanitarian Law	МВХП	4	2+2	60
2.	PVZ801	Artillery missile weapons for air defense tactics	ТАРЕПВО	4	3+1	45
3.	PVL802	Artillery missile weapons for air defense 1	АРВПВО 2	6	2+3	75
4.	PVL803	Theory and practice for shooting for rocket systems for air defense	ТПГРСПВО	4	2+2	60
5.	ZL802	Course for Platoon Commanders - Artillery missile weapons for air defense	ККВП	8		0
6.	ZL803	Diploma work		4		
7.	IL804	Elective faculty subject from List 8-1	И3 2	4	2+2	60
Total				**34**	**11+10**	**300**

List 8-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL8041	English Language 8	AJ 8	4	2+2	60
2.	IL8042	English Language with Military Terminology 6	AJBT6	4	2+2	60

AIR SPACE CONTROL - AIR SURVAILANCE, NOTIFICATION AND NAVIGATION BRANCH

Third Year – Fifth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ501	Modeling and Simulations	MC	6	2+2	60
2.	TZ7011	Computer systems	KCC	6	2+2	60
3.	VZ501	Aerospace meteorology	BMET	7	3+1	60
4.	TZ503	Telecommunication networks	TKM	7	2+2	60
5.	IZ503	Elective faculty subject from List 5-1	ИЗ 1	4	2+2	60
Total				**30**	**10+10**	**300**

List 5-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ5031	English Language 5	AJ 5	4	2+2	60
2.	IZ5032	English Language with Military Terminology 3	AJBT3	4	2+2	60

Third Year – Sixth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL601	Information technologies in support of the defence and security	ИТПОБ	6	2+2	60
2.	TL601	Fundamentals of Electronics	ОЕЛ	6	2+2	60
3.	VL601	Radiolocation	РЛ	4	2+1	45
4.	VL602	Aerospace terminology and phraseology	ВТФ	6	3+1	60
5.	PVIL601	Elective faculty subject from List 6-1	ИЗ 3	4	2+2	60
6.	IL603	Elective university subject from List 9	ИУЗ 1	4	2+1	45
7.		Practical classes * (Training in driving a motor vehicle and passing a driving test)				120
Total				**30**	**12+11**	**345**

*** Practical work - mandatory realization for the next academic year**

List 6-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	PVIL6011	English Language 6	AJ 6	4	2+2	60
2.	PVIL6012	English Language with Military Terminology 4	AJBT4	4	2+2	60

Forth Year – Seventh Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ701	Evolution of the warfare	ЕB	4	2+2	60
2.	ZZ702	Management and Leadership	РЛ	3	2+1	45
3.	VZ701	Radar equipment and systems 1	РСС 1	7	2+3	75
4.	IZ701	Elective faculty subject from List 7-1	ИЗ 1	4	2+2	60
5.	IZ702	Elective faculty subject from List 7-2	ИЗ 2	4	2+2	60
6.	IZ703	Elective faculty subject from List 7-3	ИЗ 2	4	2+2	60
7.		Practical classes * (Internship in ARM unit)				
Total				**26**	**12+12**	**360**

* Practical work - mandatory realization for the next academic year

List 7-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ 7011	Tactics of the air surveillance, notification and navigation branch 1	ТВНЈ 1	6	2+2	60
2.	IZ 7012	Aerospace tactics	ВТ	6	2+2	60

List 7-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ7021	Aeronautical navigation, aeronautical devices and systems	ВНВУС	4	2+2	60
2.	IZ7022	Aircraft guidance	НВ	4	2+2	60

List 7-3 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ7031	English Language 7	AJ 7	4	2+2	60
2.	IZ7032	English Language with Military Terminology 5	AJBT5	4	2+2	60

Forth Year – Eight Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL801	International Military and Humanitarian Law	МВХП	4	2+2	60
2.	VL801	Radar equipment and systems 2	РСС 2	6	2+3	75
3.	VIL8021	Tactics of the air surveillance, notification and navigation branch 2	ТВНЈ - 2	4	2+1	45
4.	VIL8032	Flight Control and Aviation Rules and Regulations	КЛВПП	4	2+1	45
5.	ZL802	Course for Platoon Commanders - Air surveillance, notification and navigation	ККВП	8		
6.	ZL803	Diploma work		4		
7.	IL804	Elective faculty subject from List 8-1	ИЗ 1	4	2+2	60
Total				**34**	**10+9**	**285**

List 8-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL8041	English Language 8	AJ 8	4	2+2	60
2.	IL8042	English Language with Military Terminology 6	AJBT6	4	2+2	60

AVIATION – PILOT BRANCH

Third Year – Fifth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ501	Modeling and Simulations	MC	6	2+2	60
2.	PLIZ501	Principles of flying-planes	ПЛА	4	2+1	45
3.	PLIZ502	General navigation	ОН	4	2+1	45
4.	PLIZ503	Human possibilities	ЧМ	4	2+1	45
5.	PLIZ504	Elective faculty subject from List 5-1	ИЗ 1	8	3+2	45
6.	IZ503	Elective faculty subject from List 5-2	ИЗ 2	4	2+2	60
Total				**30**	**10+10**	**300**

List 5-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	PLIZ5041	Aircraft systems	AC	8	3+2	75
2.	PLIZ5042	Construction and equipment of aircraft	КОА	8	3+2	75

List 5-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ5031	English Language 5	AJ 5	4	2+2	60
2.	IZ5032	English Language with Military Terminology 3	AJBT3	4	2+2	60

Third Year – Sixth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL601	Information technologies in support of the defence and security	ИТПОБ	6	2+2	60
2.	PLL601	Principles of flying-helicopters	ПЛХ	4	3+1	60
3.	PLIL602	Radio telephone communication	РТ	4	2+1	45
4.	PLIL603	Elective faculty subject from List 6-1	ИЗ 1	4	3+1	60
5.	PLIL604	Elective faculty subject from List 6-2	ИЗ 2	4	2+2	60
6.	IZ603	Elective faculty subject from List 6-3	ИЗ 3	4	2+2	60
7.	IL603	Elective university subject from List 9	ИУЗ 1	4	2+1	45
8.		Practical classes * (Training in driving a motor vehicle and passing a driving test)				120
Total				**30**	**12+11**	**345**

* Practical work - mandatory realization for the next academic year

List 6-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	PLIL6031	Helicopter systems	ХС	4	3+1	60
2.	PLIL6032	Construction and equipment of helicopters	КХ	4	3+1	60

List 6-2 of elective faculty (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	PLIL6041	Radio navigation	РН	4	3+1	60
2.	PLIL6042	Aerospace equipment and devices	ВОУ	4	3+1	60

List 6-3 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL6031	English Language 6	AJ 6	4	2+2	60
2.	IL6032	English Language with Military Terminology 4	AJBT4	4	2+2	60

Forth Year – Seventh Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZZ701	Evolution of the warfare	ЕВ	4	2+2	60
2.	ZZ702	Management and Leadership	РЛ	4	2+1	45
3.	PLZ701	Meteorology	МЕТ	4	3+2	75
4.	PLZ702	Aeronautical law	ВП	4	3+2	75
5.	PLZ703	History of Aviation	ИВМ	4	2+1	45
6.	PLIZ704	Elective faculty subject from List 7-1	ИЗ 1	4	2+1	45
7.	IZ704	Elective faculty subject from List 7-2	ИЗ 2	4	2+2	60
8.		Practical classes * (Internship in ARM unit)				
Total				**26**	**13+10**	**345**

* Practical work - mandatory realization for the next academic year

List 7-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	PLIZ7041	Aviation tactics 1	ТА1	4	2+1	45
2.	PLIZ7042	Flight Planning, Performance and Operational Flight Procedures 1	ПЛПОП 2	4	2+1	45

List 7-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IZ7041	English Language 7	АЈ 7	4	2+2	60
2.	IZ7042	English Language with Military Terminology 5	АЈВТ5	4	2+2	60

Forth Year – Eight Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	ZL801	International Military and Humanitarian Law	МВХП	4	2+2	60
2.	PLL801	Avionics and aircraft arming systems	АСВВ	4	3+2	75
3.	PLL802	Aviation of the future	АИ	4	2+1	45
4.	ZL802	Advanced flying course	ККВП	8		0
5.	ZL802	Course for Platoon Commanders - Artillery missile weapons for air defense	ККВП	4		
6.	ZL803	Diploma work		4	2+1	45
7.	PLIL803	Elective faculty subject from List 8-1	ИЗ 1	4	2+2	60
8.	IL804	Elective faculty subject from List 8-2	ИЗ 2	4	2+2	60
Total				**32**	**11+8**	**285**

List 8-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	PLIL8031	Aviation tactics 2	ТА2	4	2+1	45
2.	PLIL8032	Flight Planning, Performance and Operational Flight Procedures 2	ПЛПОП2	4	2+1	45

List 8-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IL8041	English Language 8	АЈ 8	4	2+2	60
2.	IL8042	English Language with Military Terminology 6	АЈВТ6	4	2+2	60

RESOURCE MANAGEMENT – CRISIS MANAGEMENT, PROTECTION AND RESCUE

First Year – First Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
7.	ZZ101	Mathematics 1	MAT 1	8	2+4	78
8.	ZZ102	Physics 1	ФИЗ 1	6	2+2	52
9.	ZZ103	English Language 1	АЈ 1	4	2+2	52
10.	ZZ105	Management of material and technical means	РМТС	4	2+2	52
11.	IZ105	Elective faculty subject from Lust 1-1	ИЗ 1	4	2+1	39
12.	IZ106	Elective faculty subject from List 1-2	ИЗ 2	4	2+2	52
Total				**30**	**12+13**	**325**

List No.1-1 of Elective Faculty subjects (choose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
5.	IZ1051	Constitutional Law with Political System	УППС	4	2+1	39
6.	IZ1052	Constitutional Law	УП	4	2+1	39

List No.1-2 of Elective Faculty subjects (choose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	IZ1061	Informatics and Digital Communications	ИНФ	4	2+2	39
4.	IZ1062	Information Management and Information Technologies	УИИТ	4	2+2	39

First Year – Second semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
8.	ZL201	Mathematics 2	МАТ 2	6	2+4	90
9.	ZL202	Physics 2	ФИЗ 2	6	2+2	60
10.	ZL203	General Chemistry	ОХ	4	2+2	60
11.	ZL204	English Language 2	АЈ 2	4	2+2	60
12.	IL205	Elective faculty subject from List 2-1	ИЗ 1	6	3+2	60
13.	IUL201	Elective university subject from list no.9	ИУЗ 1	4	2+1	45
14.		Practical classes* (Camp 1)				
Total				**30**	**13+13**	**390**

* Practical work - mandatory realization for the next academic year

List 2-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
7.	IL2051	Military Topography with Geography	ВТГ	6	3+2	75
8.	IL2052	Cartography	КАРТ	6	3+2	75

Second year, third semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
8.	ZZ301	Fundamentals of Electrical Engineering	ОЕЛ	6	2+2	60
9.	ZZ302	Environmental Chemistry	ХЖС	6	2+2	60
10.	ZZ304	Crises management and search and rescue sistem	СУКЗС	6	2+1	45
11.	IZ304	Elective faculty subject from List 3-1	ИЗ 1	4	2+2	60
12.	IZ305	Elective faculty subject from List 3-1	ИЗ 2	4	2+2	60
13.	IUZ302	Elective university subject from list no.9	ИУЗ 1	4	2+1	45
14.		Practical classes * (Training in winter and skiing)				60
Total				**30**	**13+13**	**390**

* Practical work - mandatory realization for the next academic year

List 3-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	IZ3041	Military History	ВИ	4	2+2	60
4.	IZ3042	National History	НИ	4	2+2	60

List 3-2 of elective faculty subjects (chose 1 subject)

Ред. бр.	Код на предмет	Предмети	Кратенка	ECTS	Фонд на часови	Вкупно часови
3.	IZ3051	English Language 3	АЈ 3	4	2+2	60
4.	IZ3052	English Language with Military Terminology 1	АЈВТ1	4	2+2	60

Second Year – Fourth Cycle

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
8.	ZL401	Internal Combustion Engines and Vehicles	ММВ	6	2+2	60
9.	ZL402	Typology of civil accidents and disasters, methodologies for assessment and mapping	ТЦНК МП	4	2+1	45
10.	IL403	Elective faculty subject from List 4-1	ИЗ 1	4	2+2	60
11.	IL404	Elective faculty subject from List 4-2	ИЗ 2	4	2+2	60
12.	IL405	Elective faculty subject from List 4-3	ИЗ 3	4	2+2	60
13.	IUL403	Elective university subject from list no.9	ИУЗ 1	4	2+2	60
14.	IUL404	Elective university subject from list no.9	ИУЗ 2	4	2+1	45
15.		Practical classes * (Internship In crisis management and search and rescue units)				
Total				**30**	**12+11**	**345**

* Practical work - mandatory realization for the next academic year

List 4-1 of elective faculty subjects (chose 1 subject)

3.	IZ4031	Mathematical methods in the theory of risks	ММТР	4	2+2	60
4.	IZ4032	Fundamentals of data processing and modeling in actuarial matters	ООМПА	4	2+2	60

List 4-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
5.	IZ4041	Systems Theory	ТС	6	2+2	60
6.	IZ4042	Methods of Operations Research	МОИ	6	2+2	60

List 4-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	IZ4051	English Language 4	АЈ 4	4	2+2	60
4.	IZ4052	English Language with Military Terminology 2	АЈВТ2	4	2+2	60

Third Year – Fifth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
6.	ZZ501	Modeling and Simulations	MC	6	2+2	60
7.	KZ501	Standard operational procedures in the crisis management system	СОПКМ	6	2+1	45
8.	KZ502	Disaster management and risk reduction	СКИНР	8	2+2	60
9.	KZ503	Elective faculty subject from List 5-1	ИЗ 1	6	2+2	60
10.	IZ503	Elective faculty subject from List 5-2	ИЗ 2	4	2+2	60
Total				**30**	**10+9**	**285**

List 5-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	KZ5031	Оперативно планирање	ОПСУКЗС	6	2+2	60
2.	KZ5032	Метеорологија	МЕТ	6	2+2	60

List 5-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	IZ5031	English Language 5	AJ 5	4	2+2	60
4.	IZ5032	English Language with Military Terminology 3	AJBT3	4	2+2	60

Third Year – Sixth Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
8.	ZL601	Information technologies in support of the defence and security	ИТПОБ	6	2+2	60
9.	KL601	Rescue evacuation and sheltering of the affected and endangered population	СЕЗНЗН	6	2+1	45
10.	KL602	Security of Computer Systems, Computer Crime and Computer Terrorism	СКСКК КТ	6	2+1	45
11.	KL603	Elective faculty subject from List 6-1	ИЗ 1	4	2+2	60
12.	ZL604	Elective faculty subject from List 6-2	ИЗ 2	4	2+1	60
13.	ZL603	Elective university subject from List 9	ИУЗ 1	4	2+1	45
14.		Practical classes * (Training in driving a motor vehicle and passing a driving test)				120
Total				**30**	**12+8**	**300**

* Practical work - mandatory realization for the next academic year

List 6-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	KL6031	Ammunition and explosive substances	MEM	6	2+2	60
4.	KL6032	Explosive effects and applications	EEA	6	2+2	60

List 6-2 of elective faculty subjects изборни факултетски предмети (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	ZL6031	English Language 6	AJ 6	4	2+2	60
4.	ZL6032	English Language with Military Terminology 4	AJBT4	4	2+2	60

Forth Year – Seventh Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
8.	ZZ701	Evolution of the warfare	ЕВ	4	2+1	45
9.	KZ701	Protection against fires, explosions and dangerous goods	ЗПЕОМ	6	2+1	45
10.	KZ702	Hydrology with phenomenology of floods	ХФП	6	2+1	45
11.	KZ703	Radiological, chemical and biological safety and protection	РХБСЗ	4	2+1	45
12.	KZ704	Elective faculty subject from List 7-1	ИЗ 1	6	2+1	45
13.	IZ704	Elective faculty subject from List 7-2	ИЗ 2	4	2+2	60
		Total		**30**	**14+9**	**345**

* Practical work - mandatory realization for the next academic year

List 7-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1	KZ7041	Protection and rescue of animals, plants and material goods and field asanation	ЗСЖРМ АТ	6	2+1	45
2	KZ7042	Reliability of communal infrastructure	СКИ	6	2+1	45

List 7-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	IZ7041	English Language 7	AJ 7	4	2+2	60
4.	IZ7042	English Language with Military Terminology 5	AJBT5	4	2+2	60

Forth Year – Eight Semester

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
8.	ZL801	International Military and Humanitarian Law	МВХП	4	2+2	60
9.	KL801	Safety of road	ЗССИ	4	2+1	45
10.	KL802	Information systems and software tools in the crisis management	ИССАС КМЗС	6	2+1	45
11.	ZL802	Course for Platoon Commanders - CBRN	ККВП	4		
12.	ZL803	Diploma work		4	2+1	45
13.	KL803	Elective faculty subject from List 8-1	ИЗ 2	4	2+1	45
14.	KL804	Elective faculty subject from List 8-2	ИЗ 2	4	2+2	60
15.	ZL802	Elective faculty subject from List 8-3	ИЗ 3	4	2+2	60
Total				**30**	**12+8**	**300**

List 8-1 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	KL8031	Industrial hazard, technical and technological accidents and disasters	ИХТТ НК	4	2+1	45
2.	KL8032	International cooperation in crisis management	ОСГХ	4	2+1	45

List 8-2 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	KL8041	Resources and measures for supply in crisis conditions and protection and rescue	РМСК УЗС	4	1+2	45
2.	KL8042	International Public Law	ЗВ	4	2+1	45

List 8-3 of elective faculty subjects (chose 1 subject)

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
3.	ZL8021	English Language 8	AJ 8	4	2+2	60
4.	ZL8022	English Language with Military Terminology 6	AJBT6	4	2+2	60

List 9 of elective university subjects

No	Subject Code	Subject	Abbreviation	ECTS Number of Credits	Number of Classes	Total Number of Classes
1.	IUL2011	Organization and Management	ОМ	4	2+1	45
2.	IUL2012	Entrepreneurship	ПО	4	2+1	45
3.	IUZ3021	Sociology	СОЦ	4	2+1	45
4.	IUZ3022	Communication and communications' skills	ККМВ	4	2+1	45
5.	IUL4031	Human rights	ЧПС	4	2+2	60
6.	IUL4032	Military psychology	ВП	4	2+1	45
7.	IUL4041	Infrastructure facilities	ИО	4	2+2	60
8.	IUL4042	Transport infrastructure	ТИ	4	2+2	60
9.	IUL6051	Basics of national security	ОНБ	4	2+1	45
10.	IUL6052	National security, conception and strategy	НБКС	4	2+1	45

In the structure of the study program, there are also 5 courses from the free list of university subjects proposed by each faculty at the university, for the fulfillment of the election 10% in accordance with Article 99 of the Law on Higher Education, from which students choose only 5 subject programs.

In these 10% elective courses, it is mandatory to include courses in the field of entrepreneurship and innovation at those faculties where these courses are taught.

The free list of university subject programs is supplemented by all accredited first cycle courses (compulsory and elective) from the relevant faculties of the University for the study programs of the first.

II CYCLE OF STUDIES (MASTERS AND SPECIALISATION)

II CYCLE of studies is organized as:

Scientific studies (Master) - preparation for research activity in certain area and treatment of contemporary aspects:

It is organized for the following teaching-research areas:

- Security and Defense;
- Crisis Management and Protection and Rescue
- Cyber Security and Digital Forensics

Professional studies (Specialization) – advanced study in certain area and development of practical competencies;

It is carried out as:

- Specialization of command and staff duties;
- Specialization for Protection and Rescue

MASTER STUDY PROGRAMS: SECURITY AND DEFENCE

9. Semester

Item Number	Code	Title **of Courses**	Abbreviation	Hours	Number of credits
1.	ZZ901	National Security and the Security System of the Republic of Macedonia	NSSRM/ НББСРМ	3+0/45	5
2.	ZZ902	Resource Management in Security	RMS/МРБ	3+0/45	5
3.	ZZ903	ЕS/ИЗ-1: Elective Courses *	ES/ИЗ 1	3+0/45	5
4.	ZZ904	ЕS/ИЗ-2: Elective Courses *	ES/ИЗ 2	3+0/45	5
TOTAL:				**12+0/180**	**20**

* - Selecting only one course from electives offered

Elective Courses **in 9. Semester**

Item Number	Code	Title **of Courses**	Abbreviation	Hours	Number of credits
1.	ZZ9031	ЕS/ИЗ-1: Methodology of scientific research	MSR/МНИР	3+0/45	5
2.	ZZ9032	ЕS/ИЗ-1: Research Methodology of security-defence appear	RMSDA/МИ БОП	3+0/45	5
1.	ZZ9041	ЕS/ИЗ-2: Military diplomacy and cultural differences	MDCF/ВДК Р	3+0/45	5
2.	ZZ9042	ЕS/ИЗ-2: Collective security systems and defence	CSSD/КСБО	3+0/45	5
3.	ZZ9043	ЕS/ИЗ-2: Economics defence fundamentals of financial management	EDFFM/EOO ФМ	3+0/45	5

\Note: *The elective course* **out-**1 *is an optional subject university*

10. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZL1001	Terrorism and asymmetric threats	TAT/TA3	3+0/45	5
2.	ZL1002	Weapons of mass destruction	WMD/ОМУ	3+0/45	5
3.	ZL1003	Globalization and Security	GS/ГБ	3+0/45	5
4.	ZL1004	ES/ИЗ-3: Elective Courses *	ES/ИЗ 3	3+0/45	5
5.		Masterwork degree**	MWD/МР		20
TOTAL:				**12+0/180**	**60**

* - Selecting only one course from electives offered

** - Time limit for making a masterwork is 1 (one) year

Elective Courses in 10. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZL10041	ES/ИЗ-3: Intelligence and Security Systems	ISS/РБС	3+0/45	5
2.	ZL10042	ES/ИЗ-3: Modelling of operations and security problem solving	MORSS/МО РБП	3+0/45	5

MASTER STUDY PROGRAMS: CRISIS MANAGEMENT AND PROTECTION AND RESCUE

9. Semester

Item Number	Code	Title **of Courses**	Abbreviation	Hours	Number of credits
1.	ZZ901	National Security and the Security System of the Republic of Macedonia	NSSRM/НББ СРМ	3+0/45	5
2.	ZZ902	Resource management in security	МРБ	3+0/45	5
3.	ZZ903	ES/ИЗ-1: Elective Courses *	ИЗ 1	3+0/45	5
4.	ZZ904	ES/ИЗ-2: Elective Courses *	ИЗ 2	3+0/45	5
TOTAL:				**12+0/180**	**20**

* - Selecting only one course from electives offered

Elective Courses **in 9. Semester**

Item Number	Code	Title **of Courses**	Abbreviation	Hours	Number of credits
1.	ZZ9031	ES/ИЗ-1: Methodology of scientific research	MSR/МНИР	3+0/45	5
2.	ZZ9032	ES/ИЗ-1: Research Methodology of security-defence appear	RMSDA/МИ БОП	3+0/45	5
1.	ZZ9041	ES/ИЗ-2: Natural disasters and other accidents and dealing with them	NDOAD/ПНД НСИ	3+0/45	5
2.	ZZ9042	ES/ИЗ-2: Collective security systems and defence	KSSD/КСБО	3+0/45	5

Note: *The elective course **out-**1 is an optional subject university*

10. Semester

Item Number	Code	Title **of Courses**	Abbreviation	Hours	Number of credits
1.	ZL1001	Terrorism and asymmetric threats	TAT/ТАЗ	3+0/45	5
2.	ZL1002	Weapons of mass destruction	WMD/ОМУ	3+0/45	5
3.	ZL1003	Globalization and Security	GS/ГБ	3+0/45	5
4.	ZL1004	ES/ИЗ-3: Elective Courses *	ES/ИЗ 3	3+0/45	5
5.		Masterwork degree**	MWD/MP		20
TOTAL:				**12+0/180**	**60**

* - Selecting only one course from electives offered

** - Time limit for making a masterwork is 1 (one) year

Elective Courses **in 10. Semester**

Item Number	Code	Title **of Courses**	Abbreviation	Hours	Number of credits
1.	ZL10041	ES/ИЗ-3: Crisis Management and Crisis	CMC/КМК	3+0/45	5
2.	ZL10042	ES/ИЗ-3: Modelling of operations and security problem solving	MORSI/МОРБ П	3+0/45	5

MASTER STUDY PROGRAMS: CYBER SECURITY AND DIGITAL FORENSICS

9. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZZ901	Computer Architecture and Operating Systems	КАОС	3+0/45	5
2.	ZZ902	Computer Networks and Network Protocols	ОКММП	3+0/45	5
3.	ZZ903	International Law Aspects of Cyber Security	МПАСБ	3+0/45	5
4.	IZ904	EC-1: Elective Course*	ИЗ 2	3+0/45	5
ВКУПНО:				**12+0/180**	**20**

* - Selecting only one course from electives offered

Elective Courses in 9. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
4.	ZZ9041	EC-1: Information-Communication Security	ИКБ	3+0/45	5
4.	ZZ9042	EC-1: International Relations and Cyber Security	МОСБ	3+0/45	5

* - Selecting only one course from electives offered

10. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
5.	ZL1001	Digital Forensics	ДФОР	3+0/45	5
6.	ZL1002	Syber Warfare, Cyber Terrorism and Cyber Criminal	СБСТСК	3+0/45	5
7.	IL1003	EC-2: Elective Course*	ИЗ 2	3+0/45	5
8.	IL1004	UEC-3: Elective Course**	ИЗ 3	3+0/45	5
9.		Master Thesis***	МР		20
Total:				**12+0/180**	**60**

* - Selecting only one course from electives offered

** - University elective course – only one can be choosen

** - Time limit for making a masterwork is 1 (one) year

Elective Courses in 10. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
7.	IL10031	EC-2: Systems and Networks Wulnerabilities and Penetration Testing	ПСМПТ	3+0/45	5
7.	IL10032	EC-2: Critical information Infrastructure Protection	ЗКИИ	3+0/45	5
8.	IL10041	UEC-3: Methodology of the Scientific-Research Work	МНИР	3+0/45	5
8.	IL10042	UEC -3: Biometrics and Cryptography	БК	3+0/45	5

PROFESSIONAL STUDY PROGRAMME: SPECIALISATION IN COMMAND AND STAFF DUTIES

Objective:

Prepare officers for command and other staff duties at a battalion and brigade level.

The duration is one year or two semesters.

Besides theoretical part in certain disciplines practical forms of classes are planned (solving tactical assignments, conducting command and staff exercises etc.)

The studies finish with preparation of a special paper in the area of the military science.

9. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZZ901	Tactics	TAC/ТАК	4+5/135	5
2.	ZZ902	Organisation headquarters functions and staff	OHQFS/ОШШФ	3+0/45	2
3.	ZZ903	ES -1: Elective Courses *	ES/ИЗ 1	3+0/45	5
4.	ZZ904	ES/ИЗ-2: Elective Courses *	ES/ИЗ 2	3+0/45	5
ВКУПНО:				13+5/270	17

* Selecting only one course from electives offered

Elective Courses in 9. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZZ9031	ES -1: Methodology of scientific research	MSR/МНИР	3+0/45	5
2.	ZZ9032	ES -1: Research Methodology of security-defence appear	RMSDA/МИБОП	3+0/45	5
1.	ZZ9041	ES -2: National security and the security system of the Republic of Macedonia	NSSRM/НББ СРМ	3+0/45	5
2.	ZZ9042	ES -2: Military diplomacy and cultural differences	MDCD/ВДКР	3+0/45	5
3.	ZZ9043	ES -2: Collective security systems and defence	KSSD/КСБО	3+0/45	5
4.	ZZ9044	ES -2: Economics in defence with fundamentals of financial management	EDFFM/ЕООФМ	3+0/45	5
5.	ZZ9045	ES -2: Management of resources in security	MRS/МРБ	3+0/45	5

Note: The elective course ES-1 is an optional subject university

10. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZL1001	Operational art and skill	OAS/ОУВ	4+6/150	6
2.	ZL1002	Military logistics	ML/ВЛ	2+0/30	2
3.	ZL1003	Terrorism and asymmetric threats	TAW/ТАЗ	3+0/45	5
4.	ZL1004	ES -3: Elective Courses *	ES/ИЗ 3	3+0/45	5
5.		Specialisation work degree**	SWD/СТ		5
TOTAL:				12+6/270	23

* - Selecting a course from electives offered

** - Time limit for making a Specialisation work is 6 (six) months

Elective Courses in 10. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZL10041	ES -3: Modern Warfare	WM/СВ	3+0/45	5
2.	ZL10042	ES -3: Modelling of operations and security problem solving	MORSI/МОРБП	3+0/45	5
3.	ZL10043	ES -3: Intelligence and Security Systems	ISS/РБС	3+0/45	5
4.	ZL10044	ES -3: Globalisation and Security	GS/ГБ	3+0/45	5

PROFESSIONAL STUDY PROGRAM SPECIALISATION PROTECTION AND RESCUE

9. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZZ901	Resurse and supply measures in crisis conditions and protection and rescue	RSMCCPR/РМСКУЗС	2+1/45	5
2.	ZZ902	Organisation headquarters functions and staff	OHQFS/ОШШФ	3+0/45	2
3.	ZZ903	ES/ИЗ-1: Elective Courses *	ES/ИЗ 1	3+0/45	5
4.	ZZ904	ES/ИЗ-2: Elective Courses *	ES/ИЗ 2	3+0/45	5
TOTAL:				**16+7/345**	**17**

* - Selecting only one course from electives offered

Elective Courses in 9. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZZ9031	ES/ИЗ-1: Methodology of scientific research	MSR/МНИР	3+0/45	5
2.	ZZ9032	ES/ИЗ-1: Research Methodology of security-defence appear	RMSDA/МИБОП	3+0/45	5
1.	ZZ9041	ES/ИЗ-2: National security and the security system of the Republic of Macedonia	NSSRM/НББСРМ	3+0/45	5
2.	ZZ9042	ES/ИЗ-2: Collective security systems and defence	CSSD/КСБО	3+0/45	5
3.	ZZ9043	ES/ИЗ-2: Economics in defence with fundamentals of financial management	EDFFM/ЕООФМ	3+0/45	5
4.	ZZ9044	ES/ИЗ-2: Management of resources in security	MRS/МРБ	3+0/45	5

Note: **The elective course ES-**1 **is an optional subject university**

10. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZL1001	Systems for Crisis Management and Protection and Rescue	SCMPR/СУКЗС	2+2/60	6
2.	ZL1002	Military logistics	ML/ВЛ	2+0/30	2
3.	ZL1003	Terrorism and asymmetric threats	TAT/ТАЗ	3+0/45	5
4.	ZL1004	ES/ИЗ-3: Elective Courses *	ES/ИЗ 3	3+0/45	5
5.		Specialisation work degree**	SWD/СТ		5
TOTAL:				10+2/180	23

* - Selecting a course from electives offered

** - Time limit for making a Specialisation work is 6 (six) months

Elective Courses in 10. Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZL10041	ES/ИЗ-3: Natural disasters and other accidents and dealing with them	NDOADWTH/ ПНДНСИ	3+0/45	5
2.	ZL10042	ES/ИЗ-3: Modelling of operations and security problem solving	MORSS/МОР БП	3+0/45	5
3.	ZL10043	ES/ИЗ-3: Crisis Management and Crisis	KMC/КМК	3+0/45	5
4.	ZL10044	ES/ИЗ-3: Globalisation and Security	GS/ГБ	3+0/45	5

III CYCLE OF STUDIES (PhD)

PhD PROGRAM: NATIONAL AND INTERNATIONA SECURITY AND INTERNATIONAL RELATIONS

I SEMESTER

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZZ101	National and International Security	НМБ	3+0/45	8
2.	ZZ102	International Law and International Relations	МПМО	3+0/45	8
3.	IZ103	EC-1: Elective course*	ИЗ 1	3+0/45	7
4.	IZ104	EC-2: Elective course *	ИЗ 1	3+0/45	7
TOTAL:				**12+0/180**	**30**

* - Selecting a course from electives offered

Elective courses in I semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	IZ1031	ИЗ-1: Ecological Security and Military Operations	ЕБВО	3+0/45	7
2.	IZ1032	ИЗ-1: Identification, assessment, and analysis of the technical-technological risks	ИПАТТР	3+0/45	7
3.	IZ1041	Arms control and proliferation	КВП	3+0/45	7
4.	IZ1042	Critical Infrastructure Protection	ЗКИ	3+0/45	7

Note: The Elective subject EC-1 is an elective university subject

II Semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZL201	Leadership in Crisis and Armed Conflict	ЛСКВК	3+0/45	8
2.	ZL202	Energy security and multi-hazard risk assessment	ЕБИПРМО	3+0/45	8
3.	IL203	EC-2: Elective Course*	ИЗ 2	3+0/45	7
4.	IL204	EC-3: Elective Course *	ИЗ 3	3+0/45	7
ВКУПНО:				12+0/180	30

* - Selecting a course from electives offered

** - Time limit for making a Dissertation is 2 (two) years

Elective Courses in II semester

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	IL2031	EC-2: Post-conflict management and transition in peace	ПКМТМ	3+0/45	7
2.	IL2032	EC-2: Humanitarian operations and humanitarian assistance	ХОИХА	3+0/45	7
3.	IL2041	EC-3: Information technology as a challenge and support for security	ИТППБ	3+0/45	7
4.	IL2042	EC-3: Hybrid and cyber threats	ХСЗ	3+0/45	7

III семестар

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.	ZZ301	Pilot research paper	ПИТ	900	30
2.					
3.		**ВКУПНО**		**900**	**30**

IV, V, VI Семестар

Item Number	Code	Title of Courses	Abbreviation	Hours	Number of credits
1.		Doctoral Dissertation	ДТ	1800	90
2.					
3.		**Total**		**1800**	**90**

COURSES

PRIMARY LEVEL OF EDUCATION FOR CANDIDATES FOR OFFICERS FOR LOGISTICS SPECIALTIES AND SERVICES IN THE ARMY OF THE REPUBLIC MACEDONIA IN MILITARY ACADEMY "GENERAL MIHAILO APOSTOLSKI"

According to article 48 from the Statute of Military Academy "General Mihailo Apostolski" – Скопје, Academic-Scientific Council of Military academy on the at its regular session of 2013, adopted the Study Plan and Program for Primary Level of Education of Candidates for Officers for Logistics Specialties and the Services in the Army of the Republic of Macedonia.

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INTRODUCTION

This Study Plan and Program (SPP) at the Military Academy "General Mihailo Apostolski" - Skopje is intended for the primary level of education of candidates for officers of the Army of the Republic of Macedonia. The SPP aims to present the structure of education presented through the content of the course subjects and the number of hours.

The training of candidates for officers at the Military Academy is an integral part of the defense education and training system. Within this system, the Military Academy provides continuous professional education, starting from the initial entry level, acquiring the initial officers' ranks, qualifications for promotion to a higher rank and transition from one level to another (tactical, operational and strategic). This kind of education enables future officers to acquire and demonstrate self-confidence, integrity, critical judgment and responsibility, which are necessary features necessary for acting in complex, unpredictable and dynamic situations, in which the ability to build an effective team implies the possession of wide organizational and technological knowledge.

Within the framework of education, the Military Academy covers various forms of institutionally and continuously shaping the knowledge, skills and abilities of future officers. This system consists of education and training as its subsystems, used to build the qualities and behavior of future officers. These two systems are complementary and mutually intertwining within each of the levels of further professional development.

Education enables the development of intellectual capacity and acquiring general and specialized specialist knowledge. It initiates the process of learning and creating a creative way of thinking in solving the tasks set. Having the right level of education is a fundamental career demand and must be exercised effectively in order to support the new career structure and reflect the key moments of career advancement. The results of education can be measured directly through formal examinations, and are conducted through individual testing or by continuous examination of the conduct of candidates for the officers during the course of teaching in a given period of time.

Training provides the acquisition of skills and applied knowledge that are required for each specific job or any form of specialization. In essence, it is about adopting formations and procedures, through a process of progressive repetition of the envisaged tasks. As a result of the training, improvement of skills and ability for quality performance of specific tasks should arise.

1. EDUCATION AND TRAINING OF CANDIDATES FOR OFFICERS

1.1. Basic characteristics of the officer's poses that need to be developed among the candidates for officers during schooling

Primary education for acquiring the first officer's rank, candidates for officers should acquire knowledge that will enable them to possess and demonstrate the most important features of each officer, and they are the following:

- competence;
- Initiative and proper reasoning:
- creativity;
- flexibility;
- trust;
- loyalty.

In addition to the above, the candidate for an officer must be:

- qualified for team work;
- efficient manager;
- capable of communicating effectively

Competence: Each officer must be competent in all aspects of his functional position and to know his specific duties and responsibilities better than any other. He must also be familiar with the duties of the other members of the unit, in order to achieve vertical and horizontal (lateral) coordination, in order to successfully and effectively carry out the mission set. From the officer appointed to the first commuting duties, the superior always expects a proper and efficient execution of the given missions: to know to take on a given task, to plan, organize and perform successfully any set task in an optimal and efficient manner.

Initiative and Proper Reasoning: The officer appointed to the basic command duties should have an initiative to anticipate needs. He also needs to make good judgments in order to quickly understand the situation, to determine what is important and to do what is necessary. He should not wait for the supervisor to give him specific guidance on when and where to act. He must foresee what is necessary for the execution of the mission, as well as the questions that the commander will set in order to make a decision. He must know the intent of the superiors - two levels higher and always act within that purpose. He should not hesitate to take advantage of the opportunities offered to carry out the mission in the absence of his superiors, but he must always ask himself, "If the superiors were here, would he tell me this to do?" Then, he must inform the superiors for their actions, in the first indicated opportunity.

Creativity: The superiors always seek new and innovative solutions to the problems. Each officer must be creative in seeking solutions to difficult and specific situations. Creative thinking and critical reasoning are skills that assist the officer in developing and appropriate analysis of the variants of action. If he can not recommend a variant of action in one direction or area, then he must find an alternative. He must be a team player and use the creativity of all members of the unit. The officer must always give his superior recommended action variant. He must look for ways to support the subordinate units and should not tell the "no" to the commander of the subordinate unit, unless he clears it with his commander.

Flexibility: The officer must be mentally mature and aware of changes in needs and priorities and not allow them to succumb to them or frustrate them. The commanding commander will often change the decisions or directions after receiving additional information or new requests from his commander. Often he does not tell the subordinate officer why he suddenly changed his decision. The officer must remain flexible and adapt to the needs and desires of the superiors. He must also remain flexible when diverted in different directions from different superiors. It must guide the setting of priorities when there are more tasks to be done than there is time available. In addition, he must know at the same time to manipulate with more obligations. It is necessary for the officer to meet the expectations in time, because the superiors depend on his information needed for the process of solving the problem. He must meet expectations or inform his superiors in advance of the time that will be needed and request adjustment of time or priority.

Trust: The officer must have mental discipline and confidence in order to be aware of the fact that the entire work of the unit is in the service of the commander-commander, although the commander may reject the final recommendation. The officer must not give up his efforts because he thinks that the commander-commander will not agree with the recommendation. The officer must understand that often for a five-minute response to the commander, it may take ten hours of work on the unit.

Loyalty: The loyalty of the officer to his commander-in-command is really special. In addition, the officer is loyal to individual soldiers. The officer must be loyal to the commander-commander. Respecting loyalty will help an officer tell the commander-in-command information as it is, and not what he wants to be. The officer must have the moral courage to communicate to the commander "good" and "bad" news. The old saying: "Bad" news never improves over time, is suitable for every officer.

Teamwork skills: Each officer must be capable of teamwork. He can not independently perform the requested activities and things, he must be advised, consulted and cooperated with others. He must be ready to present the decisions of others as if he were his own. Also, a wise officer should maintain a pleasant mood, as this will help achieve the results that he otherwise could not achieve.

Effective Manager: Each officer should be able to manage time and resources effectively. Time will always be of particular importance. He should think not only of his time, but also of the time needed for other members of the unit, of the subordinate units, or of everyone else who participates in the execution of the assigned mission (mission). The officer must be aware that any project can not be naturally. It should be capable of setting acceptable expectations that will enable the execution of a non-priority project.

Each officer should be a good manager of the resources (people, environment and money) that the country entrusts to him. It should be worthwhile to advocate for the efficient management of these resources and for the preservation of the environment. This means avoiding wasted spending, destroying and duplication of efforts.

Competence for effective communication: Each officer must be capable of communicating effectively. Effective communication is necessary for him. He should clearly express the intentions and decisions of the presumed oral, written and visual (with schemes and graphs). Every officer should be skilful in the oral briefing of individuals and groups. He needs to know and understand the right techniques for briefing and be able to transmit complex information that is easily understood.

Every officer should know how to express himself in writing. He should write in writing the intent of the superiors and instructions through tactical orders, tactical plans, studies, summaries and reports from the subordinate elders.

Every officer needs to know productively to use the latest computer technology. This also involves the creation of visual briefing products such as charts, graphs and slides, or other multimedia briefing products that will help transfer the intention and wishes of the commander. He also needs to successfully use computer technology for data processing, e-mail and other available resources, for more efficient time use and for solving problems.

Each officer often prepares briefings or written documents for the commander-in-command or for another superior officer. The officer should prepare the document exactly as he needs to sign it or brief it.

Primary education should include the training of officers for officers on the general characteristics of officers.

- military values in the ARM, such as duty, honor, ability, courage, fidelity and integrity;
- for the code of conduct of the members of the ARM, according to the given provisions;
- professionalism;
- military spirit/ethics;
- Leadership.

The most important features and qualities to be possessed by each operating leader:

- the leader must be a good instructor, educator and teacher;
- to have confidence in the subordinates;
- occasionally personally solve problems;

- to achieve good communication along a vertical and horizontal line;

- to manage and use time well;

- to believe in his intuition;

- have the ability to solve problems with indiscipline and inadequate personnel;

- to take care of their subordinates;

- to have vision, creative unrest and innovation;

- subordinate personal ambitions and ego to the goals of the organization it manages;

- know how to manage meetings and work arrangements;

- understand the process of adopting, executing and controlling decisions;

- be transparent and accessible;

- be resolute, but also careful;

- be self-critical;

- be confidential;

- be open to new ideas, suggestions and the acceptance of force of arguments;

- to create and maintain a high degree of dignity;

- To be honest and support honesty.

The basic principles of leadership are:

- Knowledge of self and self-advancement;

- skill and knowledge;

- personal responsibility and determination of the responsibility of others;

- knowledge of the subordinates and care for them;

- division of tasks and engagement of the subordinates according to their abilities and affinities;

- ability for teamwork.

Code of conduct of the officer corps in the ARM:

"I AM OFFICER. HONEST, FAIR, UNBIASED AND PRINCIPLED. ALWAYS FOLLOWED IN DECISION AND WITH PERSONAL INITIATIVE. UNCONDITIONALLY LOYAL TO MY COUNTRY, SUPERIORS AND SUBORDINATES. DISCIPLINED IN WORK AND CARING FOR SUBORDINATES. I AM THE LEADER OF THE SOLDIERS AND I KNOW MY SUBORDINATES. PERFORMANCE OF MISSION IS MY DUTY AND ONLY GOAL. MORALITY AND INTEGRITY MY BIGGEST VALUE AND STORE ALL YOUR STRENGTH. I AM THE BACKBONE OF THE ARMY."

1.2. Proposal of faculties for selection of candidates for education for officers for logistical specialties and for services in the ARM

Number	Direction-specialty		Faculty
1	2		3
logistical specialties			
1.	**Maintenance**	**Material technical means in GF (Ground Forces)**	Mechanical Engineering Faculty
2.			Faculty of Electrical Engineering and Information Technologies (FEIT)
3.			Faculty of Technology and Metallurgy
4.			Technical faculty
5.		**Material technical means in AF (Air Forces)**	Mechanical Engineering Faculty – Motor vehicles, Hydraulic pneumatic steering
6.			Faculty of Electrical Engineering and Information Technologies (FEIT), electronic direction, telecommunications
7.			Technical faculty
8.	**Supply**		Mechanical Engineering Faculty
9.			Natural-mathematical faculty - direction chemistry
10.			Faculty of Technology and Metallurgy
11.			Technical faculty
12.	**Movement and transportation**		Faculty of Transport
13.	**Medical support**		Medical faculty
14.			Faculty of Dentistry
15.			Veterinary Faculty
16.	**Infrastructure**		Geodetic faculty
17.			Engineering faculty
18.			Architectural faculty
Services			
19.	**Legal**		Legal faculty
20.	**Financial**		Economic faculty-all directions*
21.	**Meteorological**		Natural-mathematical faculty - direction physics, meteorology
22.	**Musical**		Music Academy
23.	**General specialty**		Faculty of Philosophy*
24.			Faculty of Public Administration *

* Other relevant faculties and directions from private universities in the Republic of Macedonia and universities abroad.

STUDY PLAN

PRIMARY LEVEL OF EDUCATION FOR CANDIDATES FOR OFFICERS FOR LOGISTICS SPECIALITIES AND SERVICES IN THE ARMY OF THE REPUBLIC MACEDONIA IN MILITARY ACADEMY "GENERAL MIHAILO APOSTOLSKI"

2. OBJECTIVES AND TASKS OF SCHOOLING

2.1. Objective of schooling

The general goal to be achieved through the system of schooling of officers is to create a well-educated officer corps, which will be fully competent in technical, tactical and leadership terms, as well as possess the skills, knowledge and capabilities needed to deal with all the challenges that they imposes the modern way of fighting.

The special goal of education and training in the Military Academy is the formation of leaders and comprehensive development of the personality of future officers, psychophysical and morally prepared and professionally qualified to perform the formative duties in the Army of the Republic of Macedonia (ARM) in peace and in war.

The training of candidates for ARM officers should enable:

- acquisition of general and specialized specialist knowledge as a basis for training for the initial command duties, for further education and training for higher command and other managerial duties, as well as for self-education and development of the social, cultural, moral and other qualities of the personality of the officers the ARM;

- acquiring the necessary practical knowledge, skills and habits and training for the execution of the initial command and other formation duties in the units of the ARM.

2.2. Tasks of schooling

2.2.1. General

The general tasks of schooling are:

1. The development of the moral, aesthetic and psycho-physical characteristics of the person, necessary for carrying out a professional military service, as well as high awareness and patriotism towards all values and traditions in the Republic of Macedonia.

2. Adoption of theoretical and practical knowledge from the general and military-specialty educational and educational areas, with the focus of the military science in the domain of the gender for successful management and commanding of the units.

3. Development of leadership capabilities and preparation of candidates for officers for human work, management and command of the appropriate gender in the more complex, variable and unpredictable conditions of peaceful and military practice.

4. Adoption of theoretical and applied technical and military technical knowledge and training for the efficient use of the current information, combat-technical systems, weapons, material assets and equipment in conditions of modern warfare.

5. Adoption of modern knowledge and skills necessary for military training and psycho-physical training of individuals and units from the domain of gender-logistical specialties, the service for armed struggle in conditions of a defensive war.

6. Preparation of the candidates for managing and commanding the basic tactical units of gender in all forms of armed struggle and types of combat actions, in accordance with the requirements of the concept of defense and protection of the state.

7. To familiarize the candidates with the organization, formation and principles for the use of the tactical units of some foreign armies, training for the organization of the fiery reconnaissance of the enemy and the implementation of the basic measures for security and protection in the ARM units.

8. Acquiring a systematic, planned and conscientious approach to work and obligations and training candidates for continuous professional self-education officers.

9. Training of candidates for officers for written and oral expression and communication in their duty.

2.2.2. The specific objectives of schooling

The specific objectives of schooling are:

1. Introduction and training for practical application of the basic tactical and combat procedures of an individual, unit and platoon, in all types and conditions for conducting combat actions.

2. Introduction to morality (code of conduct of officers, ethics, etc.) in the ARM as a factor on which the quality of the realization of the combat tasks depends.

3. Introduction and training for the proper performance of the tasks and obligations arising from the Law on Service and the Rule of Service in the Army of the Republic of Macedonia.

4. Introduction to the basic contents of the basics of military management and management of training and military law and consistent application in practice.

5. Candidates for officers to learn the basic principles of the organization for the appropriate logistical specialty or service and the provision of the ARM in peace and in war conditions.

6. Training for the proper implementation of the basic procedures of the individual training, grade and platoon.

7. Adoption of specialized specialist knowledge for the handling and use of equipment and weapons of the appropriate branches in conditions of contemporary combat.

8. Getting acquainted with the general tactics and tactics of logistics specialties, according to the adopted and accepted NATO standards.

3. STRUCTURE, ORGANIZATION AND CALCULATION OF SCHOOL DURATION

3.1. Structure and organization of the primary level of education for officers of logistics specialties and services

The training of candidates for officers of logistics specialties and services is realized in two phases, ie three modules (Figure 1), as follows:

– the first and second modules are realized together, in the first phase,

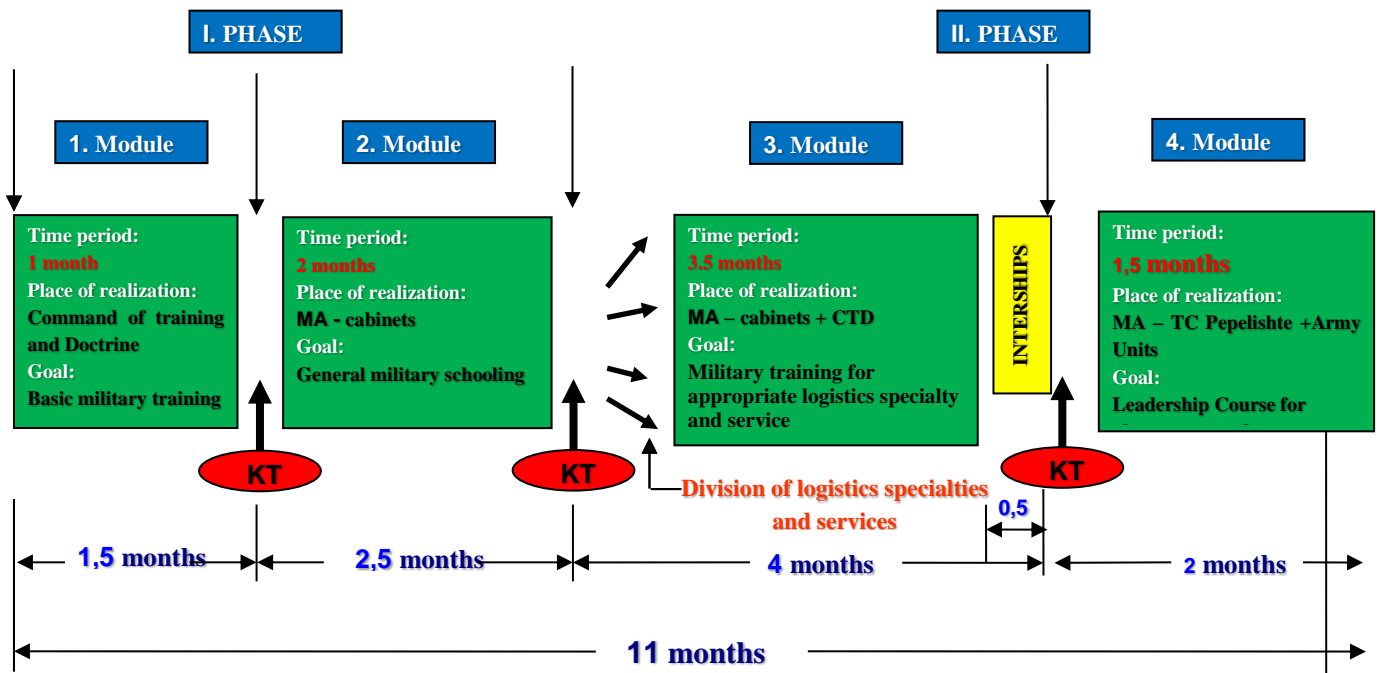– third module - military training for appropriate logistics specialty and service.

Figure 1. Primary level for officers of logistics specialties (for getting an initial officer rank)

Holder of a complete education is the Military Academy, and cooperate with the Command for Training and doctrine (CTD). The first module (basic military training) is realized by Command for Training and doctrine (CTD) with its facilities and it cooperates in implementing the third module (military specialties schooling) by performing a practical applied forms of military training.

In the first and second module of the first phase of the training and education the same contents are conducted with the candidates for all logistics specialties and services.

In the third module of the second phase is covered professional-specialist training for relevant logistical and specialty service.

At the primary level, a leadership course for commanders of platoons is also realized, where the candidates acquire the knowledge and the ability to command a platoon. This course is realized within the III phase. The carrier of the course is the Military Academy.

3.1.1. Basic military training, FIRST PHASE, 1. MODULE

3.1.1.1. Goal of the basic military training

General goal

Candidates for officers should be able to effectively handle personal weapons and equipment, to correctly apply tactics, techniques and procedures in performing tasks in all combat conditions. Basic military training should serve as a good basis for further education of candidates for officers to be trained to perform the initial duty officer commanding a platoon.

Special goals

1. Candidates for officers to get acquainted with the basic characteristics and values of the human defense factor.

2. To become acquainted with the tasks and obligations arising from the Rule of Service in the Army of the Republic of Macedonia.

3. To be able to properly apply the basic procedures of the Structural Training.

4. To be trained in the handling of personal weapons and equipment.

5. Apply basic tactics, techniques and combat procedures to an individual in all combat conditions.

6. Psychophysical to be prepared to respond to all the challenges and difficulties that can be encountered the candidates for officers in the performance of tasks.

3.1.1.2. Organizing the training

The training should be planned, organized and implemented according to the Rule of Service in the Army of the Republic of Macedonia.

The training and other tasks should be realized in a period of 35 working days

l. ACCEPTANCE PERIOD OF ADJUSTMENT OF CANDIDATES FOR OFFICERS

Ord. Num.	Content of the activities	hours
1.	Reception, accommodation and borrowing of candidates for officers with ammunition equipment and personal weaponry and preparation of personal documents	**6**
2.	Getting acquainted with the daily working hours and training plan	**1**
3.	Getting to know the barracks, buildings and units	**1**
4.	Health care and environmental protection	**1**
5.	Vaccination of candidates for officers	**2**
6.	A formal start of the training	**1**
7.	Transportation and accommodation of candidates for officers in the CTD	**3**
8.	Tactical-technical word (display of the equipment and armaments available to the ARM)	**3**
ТОТАЛ (3 w.d. X 6)		**18**

Note: The activities under Ordinal number 1 to 6 are to be realized at the Military Academy and number 8 in the CTD.

3.1.1.3. Contents of basic military training 1.FASE, 1.Module

1. MODULE (7 weeks)

O.N.	Code	The name of the courses	Shortcut	Hours	MU
		BASIC MILITARY TRAINING			
1.	GMR 101	GENERAL MILITARY REGULATIONS	GMR	1+1/12	
2.	MS 101	DRILL TRAINING	DT	0+2/12	
3.	MS 101	TACTICAL TRAINING	TT	0+14/84	
4.	MS 101	ARMING WITH TRAINING IN SHOOTING AND SHOOTING	ATSS	0+10/60	
5.	PT 101	SFT-A: PHYSICAL TRAINING 1	PT1	0+4/24	
ВКУПНО: (32 р.д x 6 часа)				**2+32/192**	
		OTHER TASKS AND ACTIVITIES			
6.		SOLEMN DUTY AND MILITARY FLAG		1	
7.		REGULAR SANITARY REVIEW		1	
8.		END OF THE TRAINING OF 1. MODULES AND TRANSPORT IN MA		2	
9.		GIVING THE SOLEMN DUTY		6	
10.		ASSESSMENT		8	
TOTAL: (3 W.D. x 6 hours)				**18**	
IN TOTAL (35 working days X 6 hours):				**210**	

NOTE: Every working day for the seventh class hour to organize cleaning of personal weapons and equipment, 8th and 9th hour to plan preparation for training and teaching for the next day and learning hours

3.1.2. General education, FIRST PHASE, 2. MODULE

3.1.2.1. Purpose of general education

In this module of education, with the study of general subjects, candidates for officers for the army branches should acquire:

−   basic knowledge of the national security system at the center of knowledge of the defense subsystem, that is, the military defense subsystem of the Republic of Macedonia.

−   fundamental theoretical and practical knowledge of the general tactics and tactics of the branches and services, and to train for creative and non-academic approach in the study and practical application of the principles of organization and the conduct of the struggle and the battle and the principles of using tactical units.

−   basics of command and control;

−   Basic knowledge in the field of military history and the evolution of wars.

−   basic military-geographic features of the Macedonian space, to get acquainted with the elements of the topographic map in detail, as well as to acquire theoretical and practical knowledge and skills for orientation and land measurements;

−   basic English language skills - listening, speaking, reading and writing, as well as common technology and terminology specific for individual directions and levels;

−   Proper development of motor skills, adoption of the necessary knowledge, skills and habits to form in a versatile person capable of carrying out all military tasks in combat and in peace, and methodically to be able to organize and perform all forms of physical education in the ARM.

3.1.2.2. Organizing classes

The teaching should be planned, organized and realized according to the Statute of the Military Academy.

The teaching and other tasks should be completed for 12 weeks (8 weeks for teaching + 2 weeks for SFT + 2 weeks for passing exams) or 60 working days.

The teaching is to be realized in five working days a week with eight hours a day (6 am and 2 pm) or 40 hours a week (30 hours in the morning and 10 hours in the afternoon).

3.1.2.3. General military courses common to the branches and logistic specialties, 2. Module, 366 hours, 12 weeks, 61 working days

O.N.	Code	The name of the courses	Shortcut	Hours	Department
		ОПШТО ВОЕНА ШКОЛУВАЊЕ			
1.	MS 102	FUNDAMENTALS OF THE MILITARY COMMAND AND LEADERSHIP	FMCL	4+2/48	
2.	MS 102	GENERAL TACTICS	GT	4+1/40	
3.	SS 102	NATIONAL SECURITY SYSTEM OF THE REPUBLIC OF MACEDONIA	NSSRM	4+0/32	
4.	MS 102	MILITARY TOPOGRAPHY AND GEOGRAPHY	MTG	3+2/40	
5.	SS 102	MILITARY HISTORY	MH	2+2/32	
6.	MS 102	ENGLISH LANGUAGE	EL	2+2/32	
7.	PT 102	SFT-A: PHYSICAL TRAINING 1	PT1	0+2/16	
ВКУПНО: (40 р.д x 6 часа)				**19+11/240**	
8.		SPECIAL FORMS OF TEACHING – CAMPING (2 weeks/11 working days on the end of 2. module)		66	
9.		SKIING		30	
		OTHER TASKS AND ACTIVITIES			
10.		PREPARATION AND EXAM		30	
IN TOTAL (61 working days X 6 hours):				**366**	

3.1.3. Professional -specialist education, SECOND PHASE, 3. MODULE

3.1.3.1. Object of expert and the specialist education

In this phase of education, by studying professional-specialized subjects, the candidates for officers should acquire military specialist knowledge, skills and habits for the role of the officer of the appropriate logistics specialty-service of the ARM, as well as to be able to perform the duty of the commander of a platoon in the appropriate logistical specialty-service of the ARM in peace and war. It also need:

- to acquire knowledge, skills and habits and to be able to properly and safely use and maintain the armaments and military equipment of the appropriate branch of the ARM;
- to acquire knowledge about the ARM generation for which they are educated and trained, and in particular: the purpose, role, organization, formation, combat opportunities and basic use, as well as for the preparation of conditions for combat action of a department, platoon;
- to acquire basic knowledge, skills and habits and to be able to command a section and platoon of the appropriate branch in the ARM in carrying out the dedicated tasks in combat, independently and in cooperation with the units of other branches, with respect to the international military standards and norms;
- to acquire basic knowledge and to be able to plan, organize, conduct and realize the training with a soldier, NCO, section and platoon of the appropriate logistics specialty-service in the ARM;
- be psychologically prepared for work as an officer in the Army of the Republic of Macedonia.

Candidates for officers are trained to perform the work and duties of the officer, acting commander of a platoon in the following specialties and logistics services:

- Maintenance;
- Supply;
- Movement and transport;
- Medical support;
- Infrastructure;
- Music service;
- Legal service;
- Financial service;
- Information service;
- Meteorological service;
- General military specialty.

3.1.3.2. Organizing classes

The teaching should be planned, organized and realized according to the Statute of the Military Academy.

Teaching and other tasks should be realized for 18 weeks (14 weeks for teaching + 2 weeks for preparation and taking exams) or 90 working days.

The lesson is to be realized in five working days a week with eight hours a day (6 am and 2 pm) or 40 hours a week (30 hours in the morning and 10 in the afternoon).

3.1.3.3. Professional-specialized courses for logistics specialties and services THIRD MODULE, 540 hours, 18 weeks, 90 working days

3. MODULE (14 WEEKS) LOGISTIC SPECIALTIES AND ARM SERVICE

O.N.	Code	The name of the courses	Shortcut	Hours	Depart.
		PROFESSIONAL-SPECIALIZED SCHOOLING			
1.	EL 2034	ENGLISH LANGUAGE	EL	2+2/56	
2.	PT 2034	SFT-A: PHISICAL TRAINING 2	PT2	0+2/28	
3.		EC-1: ELECTIVE COURSE IN THE DIRECTION			
4.		EC-2: ELECTIVE COURSE IN THE DIRECTION			
5.		EC-3: ELECTIVE COURSE IN THE DIRECTION			
6.		EC-4: ELECTIVE COURSE IN THE DIRECTION			
7.		EC-5: ELECTIVE COURSE IN THE DIRECTION			
8.		EC-6: ELECTIVE COURSE IN THE DIRECTION			
9.		EC-7: ELECTIVE COURSE IN THE DIRECTION			
TOTAL: (70 wd x 6 hours)				**2+4/84 24/336 =420**	
	SPCIAL FORM OF TRAINING –				
9.	**INTERSHIP** (2 weeks/10 working days of the end of 2 phase)			**60**	
10.	**DRIVING TRAINING WITH MOTOR VEHICLES (B or C) –** during 2 phases in the afternoon hours				
		OTHER TASKS AND ACTIVITIES			
11.	PREPARATION AND EXAM			**60**	
TOTAL:				**120**	
IN TOTAL (90 working days X 6 hours):				**540**	

ELECTION COURSES FOR SPECIALIST AREA <u>MAINTENANCE</u> IN 3. MODULE

a) Specialty: Maintenance of Technical-material means -TMM in Ground Forces

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	FML 203	EC-1: Fundamentals of Military Logistics	FML	5+0/70	DML
2.	Mnt 203	EC -2: Maintenance	Mnt	5+3/112	DML,
3.	TTMU 203	EC -3: Tactics of technical maintenance units	TTMU	2+3/70	DML
4.	ARS 203	EC -4: Ammunition and Explosive Substance	ARS	2+0/28	DNMTS
5.	CCW 203	EC -5: Construction of conventional weapons	CCW	2+2/56	DML
			Total:	**16+8/336**	

б) Specialty: Maintenance of Aviation

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	FML 203	EC-1: Fundamentals of Military Logistics	FML	5+0/70	DML
2.	OATS 203	EC -2: Organization of aviation-technical support	OATS	3+3/84	DML
3.	CAAEGGS 203	EC -3: Construction of aircraft, aviation engines, gear groups and systems	CAAEGGS	3+2/70	DML
4.	AWA 203	EC -4: Aviation Weapons and ammunition	AWA	2+2/56	DNMTS
5.	AIRREE 203	EC -5: Aviation instruments, radio-radar and electrical equipment	AIRREE	2+1/42	DML
6.	ARR 203	EC -6: Aviation rules and regulations	ARR	1+0/14	DSS
			Total:	**18+6/336**	

ELECTION COURSES FOR SPECIALIST AREA <u>SUPPLY</u> IN 3. MODULE

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	FML 203	EC-1: Fundamentals of Military Logistics	FML	5+0/70	DML
2.	TSU 203	EC -2: Tactics of supply units	TSU	2+3/70	DML
3.	Su 203	EC -3: Supply	Su	2+1/42	DML
4.	SME 203	EC -4: Supply means and equipment	SME	3+2/70	DML
5.	AES 203	EC -5: Ammunition and Explosive Substances	AES	2+0/28	DNMTS
6.	UMSAES 203	EC -6: Understanding, maintenance, storage of ammunition and ES	UMSAES	3+1/56	DNMTS
			Total:	**17+7/336**	

DML – Department for Military Logistic

DNMTS – Department for Natural znd military-technical sciences

DSS – Department for Social Science

ELECTION COURSES FOR SPECIALIST AREA <u>TRANSPORT AND MOVEMENT</u> IN 3. MODULE

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	FML 203	EC-1: Fundamentals of Military Logistics	FML	5+0/70	DML
2.	ODT 203	ИЗ-2: Organization of Movement and Transport	ОДТ	5+3/104	КЛог, КВМТ
3.	TESn 203	ИЗ-3: Tactics of the Movement and Transport Units	ТЕДТ	2+3/70	КЛог, КВМТ
4.	AES 203	EC -5: Ammunition and Explosive Substances	AES	2+0/28	DNMTS
5.	POOVNV 203	ИЗ-5: Understanding and basic maintenance of military non-combat vehicles	ПООВНВ	2+2/56	КВМТ
			Total:	**16+8/336**	

ELECTION COURSES FOR SPECIALIST AREA <u>MEDICAL SUPPORT</u> IN 3. MODULE

а) Specialty: General Medicine

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	FML 203	EC-1: Fundamentals of Military Logistics	FML	5+0/70	DML
2.	MPBM 203	EC -2: Military Preventive Branches in Medicine	MPBM	4+1/70	DML
3.	TMSU 203	EC -3: Tactics of medical support units	TMSU	3+2/70	DML
4.	MSBM 203	EC -4: Military surgical branches of medicine	MSBM	2+1/42	DML
5.	MIBM 203	EC -5: Military internist branches of medicine	MIBM	2+1/42	DML
6.	MNP 203	EC -6: Military Neurology and Psychiatry	MNP	2+1/42	DML
			Total:	**18+6/336**	

б) Specialty: Veterinary

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	FML 203	EC-1: Fundamentals of Military Logistics	FML	5+0/70	DML
2.	TEVtP 203	EC -2: Tactics of veterinary support units	TVSU	2+2/56	DML
3.	VSSCASPAO 203	EC -3: Veterinary-sanitary surveillance and control of animals for slaughter and products of animal origin	VSSCASPAO	2+2/56	DML
4.	IDBP 203	EC -4: Infectious diseases and biological protection	IDBP	1+1/28	DML
5.	NIDRCP 203	EC -5: Non-infectious diseases with radiological and chemical protection	NIDRCP	1+1/28	DML
6.	ZH 203	EC -6: ZOO hygiene	ZH	2+1/42	DML
7.	MVS 203	EC -7: Military Veterinary Surgery	MVS	1+1/28	DML
			Total:	**16+8/336**	

ELECTION COURSES FOR SPECIALIST AREA <u>INFRASTRUCTURE</u> IN 3. MODULE

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	FML 203	EC-1: Fundamentals of Military Logistics	FML	5+0/70	DML
2.	OGO 203	EC -2: Organization of the building security and construction of facilities for the needs of the defense	ОГО	2+1/42	DML

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
3.	PUKN 203	EC -3: Spatial planning, urbanization, cadastre and real estate transactions	ПУКН	2+0/28	DML
4.	PUT 203	EC -4: Preparation and arrangement of the territory, in peace and in war for the needs of the defense	ПУТ	2+1/42	DML
5.	ON 203	EC -5: Real estate maintenance	ОН	5+2/98	DML
6.	POSM 203	EC -6: Understanding, maintenance, storage of ammunition and MES	ПОСММЕС	3+1/56	DML
			Total:	**19+5/336**	

ELECTIVE COURSES FOR DIRECTION <u>LEGAL SERVICE</u> IN 3. MODULE

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	LD 203	EC -1: Law in defense	LD	3+2/70	DSS
2.	ALD 203	EC -2: Administrative Law in defense	ALD	2+2/56	DSS
3.	CLD 203	EC -3: The criminal law in defense	CLD	2+2/56	DSS
4.	CiLD 203	EC -4: Civil law in defense	CiLD	2+1/42	DSS
5.	IHL 203	EC -5: International Humanitarian Law	IHL	2+2/56	DSS
6.	MRMFW 203	EC -6: Military regulations with material and financial work	MRMFW	2+2/56	DSS
			Total:	**13+11/336**	

ELECTIVE COURSES FOR DIRECTION <u>FINANCIAL SERVICE</u> IN 3. MODULE

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	OSSCOI 203	EC -1: Organization of the system of salaries and compensation of salaries and other incomes	OSSCOI	4+4/112	DML
2.	FMBPAFO 203	EC -2: Financial and material bookkeeping with planning and analysis of financial operations	FMBPAFO	4+4/112	DML
3.	OFMWPW 203	EC -3: Organization of financial and material work in peace and state of war	OFMWPW	4+4/112	DML
			Total:	**19+5/336**	

ELECTIVE COURSES FOR PE DIRECTION <u>MUSICAL SERVICE</u> IN 3. MODULE

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	OR 203	EC -1: Orchestra	OR	6+9/210	DML
2.	OC 203	EC -2: Orchestral choreography	OC	0+3/42	DML
3.	CM 203	EC -2: Chamber music	CM	2+4/84	DML
			Total:	**6+16/336**	

ELECTIVE COURSES FOR DIRECTION <u>METEOROLOGICAL SERVICE</u> IN 3. MODULE

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	GM 203	EC -1: General meteorology (meth)	GM	4+2/84	DML
2.	MMIPMI 203	EC -2: Methods of measurement, instruments and processing of meteorological information	MMIPMI	4+3/98	DML
3.	CAM 203	EC -3: Climatology and Applied Meteorology	CAM	3+3/84	DML
4.	RSM 203	EC -4: Radar and satellite meteorology	RSM	3+2/70	DML
5.	ADIN 203	EC -5: Aerodynamics	ADIN	2+1/42	DML
6.	ARR 203	EC -6: Aeronautical rules and regulations	ARR	1+0/14	DML
			Total:	**14+10/336**	

ELECTIVE COURSES FOR DIRECTION <u>GENERAL MILITARY SPECIALTY SERVICE</u> IN 3. MODULE

3. MODULE (14 WEEKS)

O.N.	Code	Name of Course	Shortcut	Hours	Depart.
1.	TGMS 203	EC -1: Theory of general military specialty and personal management in defense Records and statistics	TGMS	4+3/98	КЛог, КВМТ
2.	MOC 203	EC -2: Military official correspondence	MOC	3+3/84	КЛог, ВБС
3.	IMAI 203	EC -3: Information Management and Administrative Informatics	IMAI	3+3/84	КЛог, ВБС
4.	RS 203	EC -5: Records and statistics	RS	3+2/70	КЛог, ВБС
			Total:	**13+11/336**	

PLAN OF SPECIAL FORMS OF TEACHING

РБ	NAME OF SPECIAL FORMS OF TEACHING	I PHASE		II PHASE		II PHASE LCPC	Траење во раб. денови/ часови	%
		1. модул	2. модул	3. модул	4. модул			
1	2	3	4	5	6	7	8	9
1.	Field Camping: **GENERAL MILITARY TRAINING - section** (at the end of the 2nd module)		66				11/66	
	- Tactical training		30				5/30	
	- Drill training		6				1/6	
	- Armament with shooting instruction		12				2/12	
	- Military topography		18				3/18	
2.	**SKIING TRAINING** at the end of phase 1		30				5/30	
3.	**INTERNSHIP** at the end of 3rd module/2nd phase			60			10/60	
4.	**TRAINING FOR DRIVING WITH MOTOR VEHICLES**				60[1]			
	TOTAL:		**96**	**-**	**60**	**198**	**70/420**	**100**

To calculate the number of hours is taken 6 hours per working day.

COURSE FOR STAFF DUTIES AT BATTALION LEVEL

1. About the Course

Goal of the Course

The general goal of the course is to prepare (educate and train) the officers for performing staff duties at battalion level, (chief of section from S-1 to S-9 at the level of the battalion), in the execution of the national and combined military and non-military operations.

Tasks of the Course

1. To prepare course participants for proper organization, management and realization of training at battalion level.

2. To prepare course participants for the performance of staff duties in the battalion (chief of section from S-1 to S-9) in the process of military decision-making.

3. Training for development of planned work, coordination and development of the spirit of teamwork and motivation of staffs and commands.

4. Developing leadership capabilities and capability to link the functional competencies of the staff, in response to the set objectives of the mission.

5. Developing the ability to find corect answers, in the process of military decision-making, in analyzing the situation, in visualizing the battlefield and making the right decisions, as well as in response to the contemporary challenges of the battlefield.

6. Training for use of modern IT support tools and application of applied software programs in the training management process, as well as in the process of military decision-making.

7. Developing perseverance in the work with the ability for high presentation skills, as well as the ability to make a public appearance.

Duration of the Course

The education of the students (course participants) according to this study program lasts for six weeks or one month and a half.

2. *STUDY PROGRAM OF THE COURSE*

No.	TEACHING DISCIPLINES (COURSES) AND ACTIVITIES	I MODULE	II MODULE	III MODULE	TOTAL Teaching hours
		Teaching - exercises	Teaching - exercises	Professional placement	
1.	TACTICS	22	58		80
2.	LEADERSHIP AND MANAGEMENT IN TACTICAL UNITS	10	5		15
3.	MILIATARY LIGISTICS	7	3		10
4.	COMMUNICATION SKILS AND INFORMATION SUPPORT OF STAFF WORK IN TACTICAL UNITS	7	3		10
5.	PHISICAL TRAINING	3	5		8
6.	SPECIALIST TRAINING AND PROFESSIONAL PLACEMENT (INTERNSHIP)			48	48
7.	OTHER TASKS AND ACTIVITIES (reception, start and end of course)	3	2		5
8.	**SPARE TIME**	2	2		4
9.	TOTAL HOURS	**54**	**78**	**48**	**180**
10.	TOTAL WORKING DAYS	**9**	**13**	**8**	**30**

COURSE FOR COMPANY COMMANDERS OF BRANCHES AND LOGISTIC SPECIALITIES

1. About the Course

Goal of the Course

The general goal of the course is to prepare (educate and train) the officers for commanding duties, by acquiring the basic knowledge of the way of organization, the planning and realization of the mission at the company level (different branches: infantry artillery, armor, engineering, NBC, air defence, signals and logistic company). Preparation of officers for conducting national and combined military operations and operations of non-military character.

Tasks of the Course

1   To prepare course participants for organization and management with the personnel of the company command and the unit, in the process of preparations for the mission.

2.   To prepare course participants for the realization of training and conducting of basic tactical exercises and exerciseing of the basic tactical units at the level of company.

3.   Developing leadership capabilities and ability to deliver quick and quality decisions, in response to the set goals of the mission.

4.   Developing capacity for military decision-making, developing the ability to find right answers and making the right decisions in response to the modern challenges of the battlefield.

5.   Developing the ability for administrative and technical management of the approved resources.

6.   Developing perseverance in the work with the ability for short and concise exposure, with high presentation capabilities, as well as the ability to make a public appearance.

Duration of the Course

The education of the students (course participants) according to this study program lasts for four weeks or one month.

3. STUDY PROGRAM OF THE COURSE

No.	TEACHING DISCIPLINES (COURSES) AND ACTIVITIES	I MODULE Teaching - exercises	II MODULE Teaching - exercises	TOTAL Teaching hours
1.	TACTICS	20	46	66
2.	LEADERSHIP IN BASIC TACTICAL UNITS	11	4	15
3.	ARMED CONFLICTS AND UNCONVENTIONAL WARFARE	5	10	15
4.	WEAPONS SYSTEMS AND RESOURCE MANAGEMENT	5	5	10
5.	PHISICAL TRAINING	4	5	9
6.	OTHER TASKS AND ACTIVITIES (reception, start and end of course)	2	1	3
7.	**SPARE TIME**	1	1	2
8.	TOTAL HOURS	**48**	**72**	**120**
9.	TOTAL WORKING DAYS	**8**	**12**	**20**