

Semester Plan - Electrical and Computer Engineering - Concentration: Automated Systems Management



Freshmen_El&CompEng_ASM

Semester 1

# Subject	ECTS	Student Workload	Lecture	Seminar	Laboratory	Contact hours
1 Nature Sciences	4	120	0	2	0	30
2 Principles of Economics	4	120	1	1	0	30
3 Literature and Art	5	150	1	1	0	30
4 Mathematical Way of Thinking	5	150	1	1	0	30
5 English Language	7	210	0	6	0	90
6 Logic	4	120	1	1	0	30
29	870	4	12	0	240	

Semester 2

# Subject	ECTS	Student Workload	Lecture	Seminar	Laboratory	Contact hours
1 English Language	0	0	0	6	0	90
2 Anthropology	4	120	1	1	0	30
3 The World and Georgian History	5	150	0	3	0	45
4 Mathematics 1	6	180	0	4	0	60
5 Physics 1	5	150	1	1	1	45
6 Principles of Engineering	4	120	1	2	0	45
7 General Chemistry (Theoretical)	4	120	1	2	0	45
8 General Chemistry (Lab.)	3	90	0	0	4	60
9 Field Practice 1	3	90	0	0	6	90
34	1020	4	19	11	510	

Levan Sigua

Zaza Metreveli

Akaki Pagava

Sophomore_El&CompEng_ASM

Semester 3

# Subject	ECTS	Student Workload	Lecture	Seminar	Laboratory	Contact hours
1 Modern Political Ideologies	4	120	0	2	0	30
2 Mathematics 2	5	150	0	4	0	60
3 Physics (Theoretical) 2	4	120	1	2	0	45
4 Physics (Lab.) 2	1	30	0	0	1	15
5 Principles of Programming	4	120	1	3	0	60
6 Electrical Circuits (Theoretical) 1	4	120	2	2	0	60
7 Electrical Circuits (Lab.) 1	1	30	0	0	1	15
8 Electrical Safety	2	60	1	1	0	60
9 Electronics	4	120	2	1	1	60
10 Sophomore project 1	2	60	1	0	1	30
31	930	8	15	4	435	

Semester 4

# Subject	ECTS	Student Workload	Lecture	Seminar	Laboratory	Contact hours
1 Physics (Theoretical) 3	4	120	1	2	0	45
2 Physics (Lab.) 3	1	30	0	0	1	15
3 Mathematics 3	6	180	0	4	0	60
4 Measurements and Sensors 1	4	120	2	1	1	60
5 Electrical Circuits (Theoretical) 2	4	120	2	2	0	60
6 Electrical Circuits (Lab.) 2	1	30	0	0	1	15
7 Analog and Digital Circuits 1	4	120	2	1	1	60
8 Programming 1	4	120	1	3	0	60
9 Sophomore project 2	2	60	1	0	1	30
30	900	9	13	5	405	

Zurab Jibuti

Zurab Jibuti

Levan Sigua

Tamaz Bichiashvili

Eka Rurua,
Gela Natroshvili

Edisher Midelashvili

Ramaz Gunia

George Macharashvili

David Chanturia

Semester 5							
# Subject	ECTS	Student Workload	Lecture	Seminar	Laboratory	Contact hours	
1 Psychology	4	120	0	2	0	30	
2 Measurements and Sensors 2	4	120	2	1	1	60	Tamaz Bichiashvili
3 Control Systems and Modelling	4	120	2	2	0	60	Irma Davitashvili
4 Analog and Digital Circuits 2	4	120	2	1	1	60	Ramaz Gunia, Gela Natroshvili, Zviad Baidoshvili
5 Electrotechnical Materials	4	120	1	2	0	45	Gela Natroshvili
6 Programming 2	4	120	1	3	0	60	George Macharashvili
7 Junior project 1	2	60	1	0	1	30	Aleksandre Anasovi, David Chanturia
8 Engineering Graphics 1	4	120	0	4	0	60	Merab Barsonidze
	30	900	9	15	3	405	

Junior_El&CompEng_ASM

Semester 6							
# Subject	ECTS	Student Workload	Lecture	Seminar	Laboratory	Contact hours	
1 Philosophy	4	120	0	2	0	30	
2 Microprocessor (Theoretical) 1	3	90	1	2	0	45	Demuri Shavadze
3 Microprocessor (Lab.) 1	1	30	0	0	1	15	Demuri Shavadze
4 Technical Mechanics	4	120	1	2	0	45	Roman Tskhvaradze
5 Signal Processing 1	5	150	2	2	0	60	Akaki Pagava
6 Electromechanics 1	4	120	2	1	1	60	Eka Rurua, Edisher Midelashvili
7 Junior project 2	3	90	1	0	1	30	Aleksandre Anasovi, David Chanturia
8 Engineering Graphics 2	4	120	0	4	0	60	Merab Barsonidze
	28	840	7	13	3	345	

Semester 7							
# Subject	ECTS	Student Workload	Lecture	Seminar	Laboratory	Contact hours	
1 Power Electronics (Theoretical)	3	90	2	1	0	45	Ramaz Gunia
2 Power Electronics (Lab.)	1	30	0	0	1	15	Zviad Baidoshvili
3 Senior project - ASM 1	3	90	1	2	0	45	Aleksandre Anasovi, David Chanturia
4 Electromechanics 2	4	120	2	1	1	60	Edisher Midelashvili, Maia Konjaria
5 Microprocessor (Theoretical) 2	3	90	1	2	0	45	Demuri Shavadze
6 Microprocessor (Lab.) 2	1	30	0	0	1	15	Demuri Shavadze
7 Digital Control 1	5	150	2	2	0	60	Temur khundadze
8 Signal Processing 2	5	120	2	2	0	60	Akaki Pagava
9 Elective Subjects	4	120	1	2	0	45	
	29	840	11	12	3	390	

Senior_El&CompEng_ASM

Semester 8							
# Subject	ECTS	Student Workload	Lecture	Seminar	Laboratory	Contact hours	
1 Power Systems and Their Protection	5	150	2	2	0	60	Ramaz Gunia, Zviad Baidoshvili
2 HVAC Systems Control	4	120	1	2	0	45	Tamaz Svanidze
3 Senior project - ASM 2	4	120	1	2	0	45	Aleksandre Anasovi, David Chanturia
4 Electromechanics 3	4	120	1	2	0	45	Maia Konjaria
5 Digital Control 2	5	150	2	2	0	45	Temur khundadze
6 Elective Subjects	4	120	1	2	0	45	
7 Manufacturing Practice	5	150	0	0	10	150	
	31	930	8	12	10	435	