

TECHNICAL UNIVERSITY - VARNA



Approved:

Rector:

/Prof. Ph.D. Eng. Ovid Farhi/

EDUCATIONAL PLAN

Professional orientation: **COMMUNICATIONS AND COMPUTER ENGINEERING**

Program: **COMMUNICATION ENGINEERING AND TECHNOLOGIES**

Professional qualification: **COMMUNICATIONS ENGINEER**

Educational and qualification degree: **BACHELOR**

Form of study: **PART - TIME**

Term of study: **5 years / 10 semesters**

No	Subjects	Forms of evaluation				In-door occupation				Out-door occ.		Full student's occupation	Credits
		Exam	Current grades	Term paper	Passed-failed	Lecturers	Seminars	Laboratory courses	Total hours	Term paper	Total hours		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Basic mathematics for engineers	*				15	15		30	*	135	165	6
2	Mathematics, part 1	*				15		15	30	*	135	165	6
3	Physics	*				15	8	8	31		119	150	5
4	Engineering design of communication systems	*				8		15	23		112	135	5
1st semester total:		4				53	23	38	114	2	501	615	22
5	Mathematics, part 2	*				15	8	15	38		127	165	6
6	Circuit and Field Theory, part 1	*				15		15	30	*	135	165	6
7	Algorithm and programming with C/C++	*				8	8	15	31		104	135	5
8	Electrotechnical materials	*				8		15	23		97	120	4
2nd semester total:		4				46	16	60	122	1	463	585	21
9	Signals and Systems	*				15		15	30	*	135	165	6
10	Circuit and Field Theory, part 2	*				15	8	8	31	*	134	165	6
11	Software technologies in Internet	*				15		15	30		120	150	5
12	Business and communication	*				15	8		23		97	120	4
3^d semester total:		4				60	16	38	114	2	486	600	21
13	Electrical Measurements	*				8		15	23		82	105	4
14	Semiconductor Devices and Analog Circuits	*				15		15	30		135	165	6
15	Computer Modeling Communication systems	*				15		15	30	*	135	165	6
16	Telecommunication Equipment Design	*				15		15	30		120	150	5
4th semester total:		4				53	0	60	113	1	472	585	21
17	Digital and Pulse Devices	*				23		15	38	*	127	165	6
18	Information encoding and compression	*				15		15	30	*	135	165	6
19	Communication Circuits	*				15		15	30		135	165	6
20	Radio Waves and Radio Lines	*				15		15	30		135	165	6
21	Telecommunication Equipment Design, project			*							60	60	2
5th semester total:		4		1		68	0	60	128	2	592	720	26

No	Subjects	Forms of evaluation				In-door occupation				Out-door occ.		Full student's occupation	Credits
		Exam	Current grades	Term paper	Passed-failed	Lecturers	Seminars	Laboratory courses	Exam	Current grades	Term paper		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
46	Pre diploma project			*							120	120	4
10th semester total:		4		1		68		53	121	1	659	780	28
Total for the whole educational course:		42		4		643	55	558	1256	14	5569	6825	243
Facultative Subjects													
1	Introduction to Programmable Logic Devices	5				15		15	30	*	90	120	4
2	Microelectronics	5				15		15	30		90	120	4
3	Security Monitoring Systems	6				15		15	30		90	120	4
4	Ecology	6				15	15		30		90	120	4
5	Fundamentals of Law	7				15	15		30		90	120	4
6	Intellectual Property Rights Protection	7				23	8		31		89	120	4
7	Management in Communications	8				15	15		30		90	120	4

Types of graduation	semester	Out-door occupation	credits
Preparation of Diploma Thesis / Preparation for State Examination	10	300	10
Defence of Diploma Thesis / State Examination			

Accepted with decision of Academic Board of TU-Varna:

Protocol № 14 / 11.06.2012 г.

Modified with Protocol:

Valid from 2012/2013 academic year

The week training agenda is fixed in according with the accepted by the Academic board "Structure of the educational process" for the current academic year.

Head of Department:

/Assoc. Prof. N. Kostov , Ph.D./

Dean:

/Assoc. Prof. R. Dimova , Ph.D./