

Y/ S	Course (Department, Number, Title) List all courses in the program by term starting with the first term of the first year and ending with the last term of the final year	Indicate Whether Course is Required, Elective or a Selected Elective by an R, an E or an S. <sup>1</sup>	Subject Area (Credit Hours)			
			MATH & Basic Science	Engineering Topics Check if Contains Significant Design ()	General Education	Other
1.1	Calculus 1	R	8			
1.1	General Physics 1A	R	7			
1.1	Fundamentals of Economics	R			6	
1.1	English –B1.1	R			5	
1.1	Introduction in Systems Engineering	R		4		
		<b>30 ECTS</b>	<b>15</b>	<b>4</b>	<b>11</b>	
1.2	Calculus 2	R	7			
1.2	General Physics 2A	R	6			
1.2	Fundamentals of Business Management	R			4	
1.2	English – B1.2	R			5	
1.2	Applied Informatics 1	R			5	
1.2	Introduction in Electrical Engineering	R		3		
		<b>30 ECTS</b>	<b>13</b>	<b>3</b>	<b>14</b>	
2.1	Calculus 3	R	7			
2.1	Linear algebra	R	5			
2.1	Chemistry	R	4			
2.1	Applied Informatics 2	R			5	
2.1	Circuit Analysis 1	R		6		
2.1	Descriptive Geometry	R		3		
		<b>30 ECTS</b>	<b>16</b>	<b>9</b>	<b>5</b>	
2.2	Probability theory and mathematical statistics	R	5			
2.2	Differential equations	R	5			
2.2	Circuit Analysis 2	R		7		
2.2	Computer Aided Engineering graphics	R		5		
2.2	Statistical and Computational Methods for Electrical Engineering	R		5		
2.2	University Elective 1:Georgian history	E			3	
		<b>30 ECTS</b>	<b>10</b>	<b>17</b>	<b>3</b>	
3.1	Renewable Energy Sources	R			3	
3.1	Area Elective 1:Manegement of Telecommunication /Economics and Management of Energy field	R			5	
3.1	The fundamentals of Engineering	R		5		

	Electronics					
3.1	Electromagnetic Ecology	R		5		
3.1	Magnetic fields	R	4			
3.1	Electric fields	R	3			
3.1	Area Elective 2	E		5		
		<b>30 ECTS</b>	<b>7</b>	<b>18</b>	<b>5</b>	
3.2	Electrical lighting	R		5		
3.2	Signals and Systems	R		5		
3.2	Analyzes and Design of Electronic Circuits	R		5		
3.2	Power Electronics	R		5		
3.2	University Elective 2 :Professional English	UE			5	
3.2	Area Elective 3	E		5		
		<b>30 ECTS</b>	<b>0</b>	<b>25</b>	<b>5</b>	
4.1	Feedback control systems	R		5		
4.1	Electrotechnical materials	R		5		
4.1	Electromagnetic waves	R		5		
4.1	Area Elective 4	E		7		
4.1	Bachelor project 1	R		8		
		<b>30 ECTS</b>	<b>0</b>	<b>30</b>	<b>0</b>	
4.2	University Elective courses : Entrepreneurial Policy of UE, History of Georgian Architecture, Staff and quality management	UE			3	
4.2	Professional Ethics	E			5	
4.2	Area Elective 5	E		7		
4.2	Area Elective 6	E		5		
4.2	Bachelor project 2	R		10		
	<b>Semester</b>	<b>30 ECTS</b>	<b>0</b>	<b>22</b>	<b>8</b>	
	<b>Total:</b>	<b>240</b>	<b>61</b>	<b>125</b>	<b>54</b>	
		100%	25%	52%	23%	