

**Curriculum - Bachelor's in Engineering, Electrical and Computer Engineering**

<b>University General Education</b>	<b>50</b>
English Language	7
Mathematical Way of Thinking	5
The World and Georgian History	5
Principles of Economics	4
Nature Sciences	4
Anthropology	4
Logic	4
Philosophy	4
Psychology	4
Modern Political Ideologies	4
Literature and Art	5

<b>Engineering General Education</b>	<b>43</b>
Mathematics I, II, III	17
Physics I	5
Physics (Theoretical Course) II, III	8
Physics (Laboratory Course) II, III	2
General Chemistry (Theoretical Course)	4
General Chemistry (Laboratory Course)	3
Principles of Engineering	4

<b>Practical Education</b>	<b>8</b>
Field Practice I	3
Teaching Practice	5
Manufacturing Practice	5

<b>Core Education</b>	<b>109</b>
Engineering Graphics I, II	8
Control Systems and Modelling	4
Measurements and Sensors I,II	8
Electrical Circuits (Theoretical Course) I, II	8
Electrical Circuits (Laboratory Course) I, II	2
Electronics	4
Technical Mechanics	4
Analog and Digital Circuits I, II	8
Signal Processing I, II	10
Digital Control I, II(PLC)	10
Programming I, II	8
Principles of Programming	4
Microprocessor (Theoretical Course) 1, 2	6
Microprocessor (Laboratory Course) 1, 2	2
Electromechanics I, II	8
Electrical Safety	2
Electrotechnical Materials	4
Sophomore Project I, II	4
Junior Project I, II	5

<b>Concentration Specific Education</b>	<b>23</b>
<i>Concentration: Automated Systems Management</i>	<i>23</i>
Electromechanics III	4
HVAC Systems Control	4
Power Electronics (Theoretical Course)	3
Power Electronics (Laboratory Course)	1
Power Systems and Their Protection	4
Senior Project - ASM 1,2	7
<i>Concentration: Computer Engineering</i>	<i>23</i>
Computer Architecture	4
Operating Systems	4
Algorithms	4
Computer Networks	4
Senior Project - COME 1,2	7

<b>Elective Subjects</b>	<b>7</b>
Subject from curriculum of another school	

	<b>ECTS</b>
University General Education	50
Engineering General Education	43
Practical Education	8
Core Education	109
Concentration Specific Education	23
Elective Subjects	7
<b>Total</b>	<b>240</b>

