

Computer Engineering (Major Programme)							
	Course Title	Lecturer	Course prerequisites	Number of credits	contact hours	fall	spring
<b>General module - 60 credits</b>							
	Introduction to Modern Thought I	Giorgi Nodia, Tamar Tolordava		6	29	X	X
	Introduction to Modern Thought II	Giorgi Nodia, Tamar Tolordava		6	31	X	X
	Academic Techniques	Rogava Maia		6	34	X	X
	Practical Course of Georgian for Foreigners (A1.1)	Maia Damenia		6	34	X	X
	Practical Course of German A1.1	Nino Tsulaia			66	X	X
	Practical Course of Georgian for Foreigners (A1.2)	Maia Damenia	Practical Course of Georgian for Foreigners (A1.1)	6	34	X	X
	Practical Course of German A1.2	Nino Tsulaia	Practical Course of German A1.1		66	X	X
	C1 Course Programme	Nino Rukhadze		6	90	X	X
	C1+ Course Programme	Nino Rukhadze	C1 Course Programme	6	90	X	X
	Introduction to Programming	Erekle Magradze		6	45	X	X
	Calculus I	Manjavidze Nino		6	62	X	
	Calculus II	Manjavidze Nino	Calculus I	6	62		X
<b>Mandatory Courses - 96 credits</b>							
	Embedded Systems	Veshapidze Giorgi, David Chkhaidze	System Programming, Basics of Electronics	6	47	X	
	Basics of Physics 2	Dalakishvili Giorgi		6	45		X
	Discrete Mathematics (with elements of statistics)	Jorjashvili Nato	Calculus I	6	45	X	
	Calculus III	Manjavidze Nino	Calculus II	6	62		X
	Object Oriented Programming	Partskhaladze Giorgi	Introduction to Programming	6	46	X	
	Basics of Electronics	Veshapidze Giorgi, David Chkhaidze	Basics of Physics 2	6	47		X
	System Programming	Erekle Magradze	Object Oriented Programming	6	48	X	
	Computer Organization	Tutberidze Mikheil		6	48		X
	Circuit Analysis	Tavkhelidze Avtandili	Basics of Physics 2	6	45	X	
	Digital Circuits and Digital Logic Laboratory	Tavkhelidze Avtandili	Basics of Electronics, Circuit analysis, Discrete Mathematics (with elements of Statistics)	6	42		X
	Signals and systems	Nana Dikhaminjia	Discrete Mathematics (with elements of Statistics), Circuit Analysis, Calculus II	6	45	X	
	Architecture and Programming of Low-bit Microprocessors	Veshapidze Giorgi, David Chkhaidze	Introduction to Programming, Digital Circuits and Digital Logic Laboratory	6	42	X	
	Computer and Data Networks	Erekle Magradze		6	61		X
	Operating Systems	Erekle Magradze	Introduction to Programming, Computer Organization	6	48	X	
	Senior Design Project			6	32	X	X
	Internship			6		X	
<b>Mandatory - Elective Courses - 24 credits</b>							
	Introduction to Computer Modeling	Murusidze Ivane	Calculus II; Object Oriented Programming	6	33	X	
	Numerical Methods I	Tutberidze Davit	Calculus I	6	45	X	

	Cyberlaw	Tutberidze Mikheil		6	48	X	
	Numerical Methods 2	Tutberidze Davit	Calculus II, Numerical methods 1	6	45		X
	Cryptography	Tutberidze Mikheil	Discrete Mathematics (with elements of statistics)	6	45		X
	Algorithms and data structures	Partskhaladze Giorgi	Object Oriented Programming	6	45		X
	Measuring Devices and Systems	Veshapidze Giorgi, David Chkhaidze	Basics of Electronics	6	45	X	
	Software Design and Engineering	Dikhaminjia Nana	Object Oriented Programming, Discrete Mathematics (with elements of statistics)	6	48		X
	Basics of Physics 1	Dalakishvili Giorgi		6	45	X	
	Basics of Business	Nino Tandilashvili		6	32	X	X
	Introduction to IoT in a LINUX context using the Raspberry Pi	Ulrich Hauser-Ehninger,	Introduction to programming	6	48	X	
	Introduction to Data Science and Machine Learning	Camille Van Hoffelen	Introduction to Programming; Object Oriented Programming; Introduction to IOT; Discrete Mathematics (with elements of statistics); Calculus II.	6	48		X
	Cyber Security	Giorgi Iashvili		6	<b>48</b>	X	