

Name of the Educational institution	Shota Rustaveli State University Address: №35 Rustaveli st. Batumi 6010, tel / Fax: (+995 222) 27 17 87 e-mail: info@bsu.edu.ge
Title of Educational Program	Computational Mathematics BA educational program
Qualification awarded	Bachelor of Mathematics
ECTS	The program includes 240 ECTS and its optimal implementation period is 4 years. 180 credits of the total 240 ECTS are required to be earned in core specialty, 10 ECTS are allotted to optional courses and 60 credits to the Minor components.
Goal of Educational Program	The program aims to: <ul style="list-style-type: none"> • give students theoretical and practical education in classical mathematical programming and technology trends; • develop the skills of the students, which can be used in various fields of science for comprehension, analysis, evaluation, modeling of the practical problems arising, and for the corresponding software solution; • provide training of the competitive specialists with high civic awareness and activism, democratic and liberal values who will be able to assert themselves in the labor market and / or continue their studies in higher education at the next level. • satisfy the aspirations of the students who have diverse interests and give them comprehensive education through the elective courses within the program, and / or train them in additional specialty. • train the students skills in using computer software packages for mathematical modeling
Learning outcomes (GENERAL AND TRANSFERABLE SKILLS)	1.1. Knowledge of the theories and methods of classical mathematics: 1.1.1. extensive knowledge of the basic research methods of the geometrical objects with the use of linear algebra, differential calculus, modern geometry 1.1.2. extensive knowledge for researching the variable function with differential and integral calculus, solution of the differential equations and probability-statistical modeling with their use 1.1.3. extensive knowledge of the theoretical basics and research methods of the number theory, mathematical logic and the basic algebraic structures; 1.1.4. Extensive knowledge of functions' approaches, linear algebra, numerical production and integers, some numerical methods for solution of nonlinear equations. 1.1. 5. knowledge of the software packages and programming languages, necessary for solutions of different types of mathematical problems. 1.1.6. use of the specialized software packages for mathematical calculations.
Assessment criteria	Assessment rules: A) Excellent - 91 points or more; B) very good - 81-90 points;

	<p>C) good - 71-80 points; D) fair - 61-70 points; E) satisfactory - 51-60 points. (FX) fail - 41-50 in this case the students are allowed to retake the exam. (F) Fail - 40 points or less - the student has to retake the course.</p>
Contact	<p>Head of the program: Professor Vladimir Baladze Phone: (+99593) 36 96 09; (+995422) 27 94 15 E-mail: vbaladze@gmail.com</p> <p>Professor David Devadze Phone: 599 514249 E-mail: devadze@posta.ge</p>