

Bachelor Degree Program in Mathematics and Computer Education

This program embraces issues and topics related to education, mathematics and computer sciences, as well as interconnections among the three.

The program is based on professional knowledge and skills in mathematics and computer science with a diversity of teaching methods. Internships are a necessary part of the program, and students are given an opportunity for a practicum and internship at "Dunya" High School and/or other schools.

Code	Courses	Credits
University Requirements		54
General Education Requirements		42
Major Requirements		84
Core Mathematics Courses		60
MATH 104	Calculus-I	6
MATH 203	Calculus-II	6
MATH 303	Differential Equations	6
MATH 306	Linear Algebra and Analytic Geometry	8
MATH 323	Algebra and Number Theory-I	6
MATH 401	Algebra and Number Theory-II	6
MATH 406	Advanced Calculus (Complex Calculus and Functional Analysis)	8
MATH 408	Applied Mathematics	8
Elective		6
Core Computer Science		60
CMS 101	Introduction to Computer Science	6
CMS 106	Fundamentals of Computer Programming	6
CMS 210	Programming Languages	6
CMS 276	Computer Applications	6
CMS 309	Computer Networks and Communications	6
CMS 416	Database Management System	6
CMS 451	Computer Graphics	6
CMS 535	Multimedia Design	6
Elective		
Methods of Teaching		12
MATH 412	Mathematics Education	6
CMS 435	Computer in Education	6
Core Education Courses		12
EDU 101	Introduction to Education	6
PSYCH 303	Basics of Educational Psychology	6
Internship		24
	Practicum	12
	Internship	12
Total		264

