

Program Educational Objectives

The educational objectives of the Mathematical program are to prepare graduates *within a few years after graduation* to:

1. Work efficiently as Mathematician and excel in careers utilizing their education in Mathematics
2. Continue to enhance their knowledge via all types of learning and self-development, including the pursuit of graduate studies and conducting scientific research
3. Be effective in multidisciplinary and diverse professional environments, including providing professional consultation and local community services with a commitment to ethical behavior of the profession.
4. Demonstrate decision making skills and professional integrity to attain leadership positions and contribute towards business development in various local, regional, and international fields.

Program Learning Outcomes-Student Outcomes- (PLOs)

PLO1: An ability to identify, formulate, and solve broadly defined technical or scientific problems by applying knowledge of mathematics and science and/or technical topics to areas relevant to the discipline.

PLO2: An ability to formulate or design a system, process, procedure, or program to meet desired needs.

PLO3: An ability to develop and conduct experiments or test hypotheses, analyze, and interpret data and use scientific judgment to draw conclusions.

PLO4: An ability to communicate effectively with a range of audiences.

PLO5: An ability to understand ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts.

PLO6: An ability to function effectively on teams that establish goals, plan tasks, meet deadlines, and analyze risk and uncertainty.

PEOs	SOs
<p>1. Work efficiently as Mathematician and excel in careers utilizing their education in Mathematics</p>	<p>PLO1: An ability to identify, formulate, and solve broadly defined technical or scientific problems by applying knowledge of mathematics and science and/or technical topics to areas relevant to the discipline.</p> <p>PLO5: An ability to understand ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts.</p> <p>PLO6: An ability to function effectively on teams that establish goals, plan tasks, meet deadlines, and analyze risk and uncertainty.</p>
<p>2. Continue to enhance their knowledge via all types of learning and self-development, including the pursuit of graduate studies and conducting scientific research</p>	<p>PLO1: An ability to identify, formulate, and solve broadly defined technical or scientific problems by applying knowledge of mathematics and science and/or technical topics to areas relevant to the discipline.</p> <p>PLO5: An ability to understand ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts.</p>
<p>3. Be effective in multidisciplinary and diverse professional environments, including providing professional consultation and local community services with a commitment to ethical behavior of the profession.</p>	<p>PLO4: An ability to communicate effectively with a range of audiences.</p> <p>PLO6: An ability to function effectively on teams that establish goals, plan tasks, meet deadlines, and analyze risk and uncertainty.</p>
<p>4. Demonstrate decision making skills and professional integrity to attain leadership positions and contribute towards business development in various local, regional, and international fields.</p>	<p>PLO2: An ability to formulate or design a system, process, procedure, or program to meet desired needs.</p> <p>PLO3: An ability to develop and conduct experiments or test hypotheses, analyze, and interpret data and use scientific judgment to draw conclusions.</p>