

B.Sc. General in Mathematics

After successful completion of Three Year Degree Programme in Mathematics a student should be able to;

Programme Outcome

- Have the versatility to work effectively in a broad range of analytic, scientific, government, financial, health, technical and other positions.
- Have a broad background in Mathematics an appreciation of how its various sub-disciplines are related, the ability to use techniques from different areas, and an in depth knowledge about topics chosen from those offered through the department.
- Be mathematically, numerically literate. In particular, graduates will recognize the importance and value of mathematical thinking, training, and approach to problem solving, on a diverse variety of disciplines.
- Be familiar with a variety of examples where mathematics helps accurately explain abstract or physical phenomena.
- Be able to independently read the mathematical literature of various types, including survey articles, scholarly books, and online sources.
- Recognize and appreciate the connections between theory and applications.
- Be life-long learners who are able to independently expand their mathematical expertise when needed, or for interest's sake.

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Course code	Course Name	Course Outcome
MTMGCC01	Differential Calculus	This course deals with the application of derivatives.
MTMGCC02	Differential Equations	Students can learn to solve differential equations of second order and systems of linear differential equations with the help of this course. In addition, It helps to generate the basic ideas of Partial Differential Equations.
MTMGCC03	Real Analysis	Understanding the properties of real numbers, sequence of real numbers and infinite series are the main goals of this course.
MTMGCC04	Algebra	This course helps to develop the basic concept on group theory, ring theory and fields.
MTMGSE01	Theory of Equation	This course deals with the theory of equations.
MTMGSE02	Integral Calculus	Developing the idea of integration by partial fraction, reduction formula and the knowledge of application of integrations are the aims of this course.
MTMGSE03	Mathematical Modeling	This course provides the basic ideas of mathematical modelling.
MTMGSE04	Probability and Statistics	Developing the basic concept on numbers specially prime number is the aims of this course.
MTMGDS01	Vector Calculus and Analytical Geometry	This course deals with the analytical geometry in two or three dimension and algebra of vectors.
MTMGDS02	Numerical Methods	Students can solve the transcendental and polynomial equations, ordinary differential equations with the help of numerical methods. In addition, this course helps to generate the idea of numerical differentiation and integration.