

GRADUATE ATTRIBUTES OF MASTER OF SCIENCE IN MATHEMATICS

Attribute	Code	Graduate Attributes
Breadth of Knowledge	GA1	Ability to integrate mathematical principles with concepts from other disciplines, fostering a broader understanding of applications
Problem solving skills	GA2	Skills to apply mathematical concepts and tools to address real-world problems, demonstrating creativity and innovation in solutions.
Critical and creative thinking	GA3	Proficiency in evaluating problems, synthesizing information, and developing logical arguments to solve complex mathematical issues.
Research skills	GA4	Ability to design, conduct, and analyze research projects, employing advanced mathematical techniques and methodologies.
Technical skills	GA5	Familiarity with mathematical software, programming languages, and / or computational tools relevant to research and data analysis
Communication skills	GA6	Competence in effectively communicating complex mathematical ideas and research findings through written reports, presentations, and discussions.
Self-directed Lifelong learning	GA7	Commitment to continued professional development and engagement with ongoing advances in mathematics and related fields.
Career Skills	GA8	Experience working in collaborative research environments, demonstrating the ability to engage with peers and mentors.
Ethical responsibilities	GA9	Awareness of ethical considerations in research practices, including integrity, responsibility, and respect for intellectual property.
Social Responsibilities	GA10	Ability to adjust to new conditions and contribute with the help of acquired knowledge and skills.