



B. Sc. Actuarial Sciences

Vision

To build a center of excellence in actuarial and current business trends to sort after professionals who develop and communicate solutions for complex financial issues of nation and also inculcating values in order to address the problems of humanity.

Mission

- Our curriculum includes a capstone course that integrates education in professional standards, ethics and practical application of actuarial theory with commonly used actuarial models, software and technologies.
- To offer multiple areas of concentration for actuarial science majors such as life, health, property, casualty or enterprise risk management
- To enable the students to become well-educated graduates who can make significant contributions to the financial security of individuals, corporate organizations and society through the ability to identify, quantify, assess and manage risk and uncertainty.

Programme Outcomes

1. Demonstrate knowledge of various fields related to actuarial science such as mathematics, statistics, economics, finance and accounting
2. Use software packages and information technologies to solve practical problems in actuarial profession
3. Apply the knowledge of actuarial concepts for solving problems related to insurance sector
4. Master the quantitative and analytical skills required to obtain an entry-level position in the actuarial science profession.
5. Demonstrate the skills necessary for passing the professional actuarial exams
6. Be able to clearly communicate results from an actuarial analysis to all stakeholders, and write effective reports that describe the analysis and summarize important findings.
7. Adopt to technological changes and demands through self-directed and lifelong learnings
8. Able to bring actuarial, financial, mathematical, and statistical techniques to model and analyze risks, particularly in insurance sector.
9. Practice professional ethics with social responsibility.

Programme Specific Outcomes

1. Analyze the important issues of industries including insurance, government, business and academic research with suitable approach for solutions.
2. Predict uncertain events for insurance policy income, pension scheme pay-outs and stock market performance.
3. Demonstrate to provide professional solutions at risk situations
4. Design and analyze the insurance schemes based on the public interest and the regulation of the insurance industry.



M. Sc. Actuarial Sciences

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Programme Outcomes

1. Ability to apply the actuarial concepts and models for life risk management.
2. Familiarize with the role of insurance in society, basic economic theory and the basics of how insurance and financial market operates.
3. Attain a high level of proficiency in research methodology and computer technology towards actuarial aspects.
4. Formulate practical problems in actuarial terms and design an appropriate actuarial model for solutions.
5. Demonstrate ability to conduct quantitative risk analysis to identify consequences of events in actuarial profession.
6. Express familiarity with several technical tools, statistical software packages used for actuaries' application. Practice professional ethics with social responsibility.
7. Inculcate lifelong learning through continuous professional development.
8. Attain critical thinking to make decisions and able to apply at life risk situations.
9. Recognize and appreciate importance of ethical stand in professional work.

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