

**Michigan Technological University**  
**Certificate in Actuarial Science**

Program Code CASC, Academic Year 2023-24

Department of Mathematical Sciences

Total Credits Required: 24

Student Name and ID Number \_\_\_\_\_ Completion Term \_\_\_\_\_

**Certificate Requirements**

- Certificates are offered to undergraduate level, post-degree students who have previously completed a Bachelor’s degree
- Students must earn a grade of C or better in each course used to meet certificate requirements
- Students must complete at least nine credits of upper division course work (3000- level or above) and at least half of the total credits required must be taken at Michigan Tech

**Required Courses: 7 Credits**

One of the courses below can be substituted by successfully passing the first professional Actuarial Exam. Consult the department advisor for more information on this option.

- MA 1160 Calculus with Technology I
- MA 2160 Calculus with Technology II
- MA 3160 Multivariable Calculus with Technology
- MA 3810 Introduction to Actuarial Science
- MA 3720 Probability, or
  - MA 3740 Statistical Programming and Analysis
- MA 4810 Life Contingencies, or
  - MA 4820 Loss Distributions and Credibility Theory

**Elective Courses: Select one of the following for 3 credits**

- MA 4710 Regression Analysis
- MA 4780 Tim Series Analysis and Forecasting
- EC 4200 Econometrics
- FIN 4000 Investment Analysis
- FIN 4100 Advanced Financial Management

Registrar Office Use Only:

Credits	Course Grade	Residency	Upper Division	Double Counted Courses	Awarded Term
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