Michigan Technological University
Certificate in Actuarial Science
Program Code: CASC, Academic Year 2020-21
Department of Mathematical Sciences
Total Credits Required: 24

_____   _____
Student Name and ID Number   **Completion Term**

- ✓ 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.

The Certificate in Actuarial Science prepares students to pursue employment as an actuary. In addition to the required courses, it is also recommended that students take courses in Linear Algebra, Statistics, and Numerical Methods.

Required Courses

Course	Credits
MA 1160 Calculus with Technology I (4)	
MA 2160 Calculus with Technology II (4)	
MA 3160 Multivariable Calc with Tech (4)	
MA 3810 Introduction to Actuarial Science (3)	
MA 3720 Probability (3) **OR** MA 3740 Statistical Programming and Analysis (3)	
MA 4810 Life Contingencies (3) **OR** MA 4820 Loss Distributions and Credibility Theory (3)	

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

Select one of the following:

Course	Credits
MA 4710 Regression Analysis (3)	
MA 4780 Tim Series Analysis and Forecasting (3)	
EC 4200 Econometrics (3)	
FIN 4000 Investment Analysis (3)	
FIN 4100 Advanced Financial Management (3)	

_____   _____
Student Signature   **Date**   **Academic Advisor Signature**   **Date**

Send the completed form to Degree Services, Registrar's Office for processing

Degree Services Use Only:

Credits _____   Course Grade _____   Residency _____   Upper Division _____   Courses Not Double Counted _____   Term Awarded _____