

Michigan Technological University

Certificate in Business Analytics

Program Code CBA, Academic Year 2026-2027

Department of Mathematical Sciences

Minimum Credits Required: 24

Student Name and ID _____ Completion Term _____

The Certificate in Business Analytics provides a foundation in the emerging fields of Analytics, the use of statistics and mathematical modeling, to optimize business performance.

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: 21 Credits

- MA 2330 Introduction to Linear Algebra
- MA 2710 Introduction to Statistical Analysis
 - or MA2720 Statistical Methods
 - or MA 3710 Engineering Statistics
 - or MA 3715 Biostatistics
- MIS 2100 Introduction to Business Programming
 - or CS 1121 Introduction to Programming I
 - or MA 1600 Introduction to Scientific Simulation
- MIS 3100 Business Database Management
- MA 3740 Statistical Programming and Analysis
- MA 4790 Predictive Modeling
- CS 4821 Data Mining

Elective Courses: Select one of the following (3 credits)

- MA 4710 Regression Analysis
- MA 4780 Time Series Analysis and Forecasting
- EC 4200 Econometrics

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Credits	Course Grade	Residency	Upper Division	Double Counted Courses	Awarded Term
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