Michigan Technological University
Certificate in Business Analytics
Program Code CBA, Academic Year 2025-2026
Department of Mathematical Sciences
Minimum Credits Required: 24

Student Name and ID Number _____ 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