

Michigan Technological University

Certificate in Business Analytics

Program Code CBA, Academic Year 2024-25

Department of Mathematical Sciences

Total 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

Registrar Office Use Only:

Credits	Course Grade	Residency	Upper Division	Double Counted Courses	Awarded Term
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