

## Michigan Technological University

### Certificate in Business Analytics

Program Code: CBA, Academic Year 2018-19

Department of Mathematical Sciences

Total Credits Required: 24

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Student Name and ID Number

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Completion Term

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

#### Required Courses

Course	Credits
MA 2330 Introduction to Linear Algebra (3)	
MA 2710 Introduction to Statistical Analysis (3) <b>or</b> MA2720 Statistical Methods (3) <b>or</b> MA 3710 Engineering Statistics (3) <b>or</b> MA 3715 Biostatistics (3)	
MIS 2100 Introduction to Business Programming (3) <b>or</b> CS 1121 Introduction to Programming I (3) <b>or</b> MA 1600 Introduction to Scientific Simulation (3)	
MIS 3100 Business Database Management (3)	
MA 3740 Statistical Programming and Analysis (3)	
MA 4790 Predictive Modeling (3)	
CS 4821 Data Mining (3)	

#### Select one of the following:

Course	Credits
MA 4710 Regression Analysis (3)	
MA 4780 Tim Series Analysis and Forecasting (3)	
EC 4200 Econometrics (3)	

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Student Signature

Date

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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 \_\_\_\_\_