Welcome

The graduate certificate program in Data Mining is a one-year program designed to give students a comprehensive training in basic foundation, advanced knowledge, and applications of data mining. It’s suitable for students in diverse disciplines who want to extend their knowledge and skills in data mining.

Graduate Certificate in Data Mining

Gain valuable skills and practical experience in Data Mining with a Certificate in Data Mining. Our innovative, one year program of graduate level training provides a solid foundation in basic and advanced data mining concepts as well as applications of data mining.

- Database Management
- Data Exploration / Visualization
- Supervised / Unsupervised Modeling
- Geographical Information System
- SAS Enterprise Miner

Unique Program Feature

The certificate program is offered with a partnership with SAS. Two SAS professional Certification Exams are offered on site for students: SAS Base Programming and SAS Data Mining Predictive Modeling.

CMU is an AA/EO institution, providing equal opportunity to all persons, including minorities, females, veterans and individuals with disabilities. See www.cmich.edu/aaeo.
Admission Requirements

• A Statement of Purpose with evidence of interest in quantitative subjects.

• Overall undergraduate cumulative Grade Point Average (GPA) of 3.0 or higher (on a U.S. 4.0 scale), with at least one course in statistics or probability.

D.M. Certificate Program Course Work

Required Courses (9 hours)
- CPS 683 - Pattern Recognition and Data Minimg
- GEO 501 (for non-GIS major) - Principle & Applications of Geographic Information Systems
  or
- GEO 503 (for GIS major) - Geographic Information Systems
- STA 591 - Data Mining Techniques

Electives (6-9 hours)
- STA 575 - Statistical Programming for Data Management and Analysis
- STA 580 - Applied Statistics I
- CPS 585 (for non-CPS major) - Applied Data Engineering
  or
- CPS 541 (for CPS major) - Databases
- GEO 512 - Quantitative Methods for Spatial Statistics

A variety of courses in Statistics, Computer Sciences, Mathematics, and other areas are also available for students.

Total Credit Hours Required: 15 - 18

About Graduate Studies at CMU

Central Michigan University (CMU) is one of the 100 largest public universities in the United States. The 480-acre campus is friendly, accommodating, and conveniently located in a classic American university town.

CMU is classified as a Doctoral Research University and offers more than 70 graduate degree programs at the master’s, specialist’s, and doctoral levels. Approximately 21,000 students attend courses on campus, including more than 2,000 graduate students within many disciplines.