Michigan Technological University
Minor in Business IT Solutions
Program Code BITM, Academic Year 2024-25
College of Business
Total Credits Required: 18
This minor is not open to students in Management Information Systems (BMIS)

Core Required Courses (9 credits) – complete the three courses from this list
• MIS 2000 IS/IT Management (3)
• MIS 3100 Business Database Management (3) Prereqs: MIS2000(C) or MIS2100 or CS1122 or CS1131
• MIS 3200 Systems Analysis and Design (3) Prereqs: MIS2000(C) or MIS2100(C) or CS1122 or CS1131

Required Programming Course (3 credits) – select one course from this list
• CS 1090 Special Topics in Computer Science (3)
• CS 1111 Introduction to Programming in C/C++ (3)
• CS 1121 Introduction to Programming I (3) Prereqs: MA1031(C) or MA1032(C) or MA1120(C)
• CS 1131 Accelerated Introduction to Programming (5) Prereqs: MA1031(C) or MA1032(C) or MA1160(C) or MA1161(C) or MA1121(C)
• MIS 2100 Introduction to Business Programming (3)

Elective Courses (6 credits) – select at least two courses from one of the elective areas below
• Elective Area: Systems Thinking for Design
  o MIS 3000 Business Process Analysis (3) Prereqs: MIS2000
  o MIS 3500 User-Centered Design (3) Prereqs: MIS2000 or MIS2100 or CS1122 or CS1131
  o MIS 4000 Emerging Technologies (3) Prereqs: (MIS2100 and MIS3200(C)) or (CS2321 and CS3141)
  o ENG 1505 Introduction to Systems Engineering (1)
  o ENG 2505 Introduction to Low Fidelity Systems Modeling (3) Prereqs: ENG1505 and MA2160(C) and (ENG1102(C) or CS1121 or CS1131 or MIS2100)
• Elective Area: Data and IT
  o CS 4821 Data Mining (3) Prereqs: (CS3425 or MIS3100) and (MA2330 or MA2320 or MA2321) and (MA2710 or MA2720 or MA3710)
  o MIS 4400 Business Intelligence and Analytics (3) Prereqs: (MIS2100 or CS1122 or CS1131) and (MIS3100 or CS3425)
  o MIS 4000 Emerging Technologies (3) Prereqs: (MIS2100 and MIS3200(C)) or (CS2321 and CS3141)
  o MA 2330 Introduction to Linear Algebra (3) Prereqs: MA1160 or MA1161 or MA1135 or MA1121
  o MA 3740 Statistical Programming and Analysis (3) Prereqs: MA2710 or MA2720 or MA3710 or MA3715