Michigan Technological University  
Minor in Business IT Solutions  
Program Code BITM, Academic Year 2023-24  
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: Usability and Human Factors in IT Design  
  - MIS 2200 Web Programming (3) Prereqs: MIS2100 or CS1122 or CS1131  
  - MIS 3500 User-Centered Design (3) Prereqs: MIS2000 or MIS2100 or CS1122 or CS1131  
  - HU 2642 Introduction to Digital Media (3)  
  - HU 3120 Technical and Professional Communication (3) Prereqs: UN1015 and (UN1025 or Modern Language – 3000 level or higher)  
  - HU 4628 Usability Evaluation and User Experience Design (3) Prereqs: (HU3120 or HU3121) and UN1015 and (UN1025 or Modern Language – 3000 level or higher)  
  - HF 3850 Human Factors (3) Prereqs: PSY2000 or HF2000  
  - HF 4015 Cognitive Task Analysis (3) Prereqs: PSY2000 or HF2000  
- Elective Area: Systems Thinking for Design  
  - MIS 3500 User-Centered Design (3) Prereqs: MIS2000 or MIS2100 or CS1122 or CS1131  
  - MIS 4000 Emerging Technologies (3) Prereqs: (MIS2100 and MIS3200(C)) or (CS2321 and CS3141)  
  - ENG 1505 Introduction to Systems Engineering (1)  
  - 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  
  - MIS 4400 Business Intelligence and Analytics (3) Prereqs: (MIS2100 or CS1122 or CS1131) and (MIS3100 or CS3425)  
  - MIS 4000 Emerging Technologies (3) Prereqs: (MIS2100 and MIS3200(C)) or (CS2321 and CS3141)  
  - MA 2330 Introduction to Linear Algebra (3) Prereqs: MA1160 or MA1161 or MA1135 or MA1121  
  - MA 3740 Statistical Programming and Analysis (3) Prereqs: MA2710 or MA2720 or MA3710 or MA3715