Michigan Technological University
Minor in Statistics
Program Code SSTM, Academic Year 2024-25
Department of Mathematical Sciences
Total Credits Required: 18

Select one (1) course in probability
- EE 3180 Introduction to Probability and Random Signal Analysis (3) Prereqs: EE 3160
- MA 3720 Probability (3) Prereqs: MA1121 or MA1160 or MA1161

Required course in statistical computing
- MA 3740 Statistical Programming and Analysis (3) Prereqs: MA2710 or MA2720 or MA3710 or MA3715

Select one (1) course in statistics
- MA 2710 Intro to Statistical Analysis (3) Prereqs: MA1121 or MA1135 or MA1160 or MA1161
- MA 2720 Statistical Methods (4) Prereqs: MA1020 or MA1030 or MA1120 or MA1031 or MA1032
- MA 3710 Engineering Statistics (3) Prereqs: MA2160 or MA3160
- MA 3715 Biostatistics (3) Prereqs: MA1121 or MA1135 or MA1160 or MA1161 or MA2160 or MA3160

Select three (3) advanced elective courses
- MA 4710 Regression Analysis (3) Prereqs: MA2710 or MA2720 or MA3710 or MA3715 or MA5701
- MA 4720 Design and Analysis of Experiments (3) Prereqs: MA2710 or MA2720 or MA3710 or MA3715 or MA5701
- MA 4730 Nonparametric Statistics (3) Prereqs: MA2710 or MA2720 or MA3710 or MA3715
- MA 4760 Mathematical Statistics I (3) Prereqs: MA3720 or EE3180
- MA 4770 Mathematical Statistics II (3) Prereqs: MA4760
- MA 4780 Time Series Analysis and Forecasting (3) Prereqs: (MA2710 or MA2720 or MA3710 or MA3715) and (MA3720 or EE3180)
- MA 4790 Predictive Modeling (3) Prereqs: MA3740 or MA4710 or MA4720 or MA4780