**Michigan Technological University**
**Minor in Statistics**
Program Code SSTM, Academic Year 2021-22
Department of Mathematics
Total Credits Required: 18

## Select one (1) course in probability:

| Course | Credits |
| --- | --- |
| EE 3180 Introduction to Probability and Random Signal Analysis (3) | |
| MA 3720 Probability (3) | |

## Required course in statistical computing:

| Course | Credits |
| --- | --- |
| MA 3740 Statistical Programming and Analysis (3) | |

## Select one (1) course in statistics:

| Course | Credits |
| --- | --- |
| MA 2710 Intro to Statistical Analysis (3) | |
| MA 2720 Statistical Methods (4) | |
| MA 3710 Engineering Statistics (3) | |
| MA 3715 Biostatistics (3) | |

## Select three (3) advanced elective courses:

| Course | Credits |
| --- | --- |
| MA 4710 Regression Analysis (3) | |
| MA 4720 Design and Analysis of Experiments (3) | |
| MA 4730 Nonparametric Statistics (3) | |
| MA 4760 Mathematical Statistics I (3) | |
| MA 4770 Mathematical Statistics II (3) | |
| MA 4780 Time Series Analysis and Forecasting (3) | |
| MA 4790 Predictive Modeling (3) | |

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C:
MA2710 (MA1121 or MA1160 or MA1161 or MA1135), MA2720 (MA1020 or MA1030 or ACT >= 22 or SAT >= 540 or ALEKS Math Placement >= 61 or CEEB Calculus AB >= 2 or CEEB Calculus BC >= 2 or CEEB Calculus AB Subscore >=2), MA3710 (MA2160), MA3715 (MA1121 or MA1135 or MA1160 or MA1161), MA3720 (MA1121 or MA1160 or MA1161), MA3740 (MA2710 or MA2720 or MA3710 or MA3715), MA4710 (MA2710 or MA2720 or MA3710 or MA3715), MA4720 (MA2710 or MA2720 or MA3710 or MA3715), MA4730 (MA2710 or MA2720 or MA3710 or MA3715), MA4760 (MA3720 or EE3180), MA4770 (MA4760), MA4780 ((MA2710 or MA2720 or MA3710 or MA3715) and (MA3720 or EE3180)), MA4790 (MA3740 or MA4710 or MA4720 or MA4780)