

## PENN STATE COURSES THAT MEET MMM PREREQUISITE REQUIREMENTS

*All students entering the program are expected to already have mathematical, statistical and computing competencies and must have completed courses in math, statistics, and computer science which meet these requirements . Other course substitutions that are not listed here may be applicable, please contact Becky Benson in the program office at 814-863-5802 to inquire.*

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### MATH PREREQUISITE COURSES

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MATH 110 TECHNIQUES OF CALCULUS I

**OR**

MATH 140 CALCULUS WITH ANALYTIC GEOMETRY I

AND

MATH 141 CALCULUS WITH ANALYTIC GEOMETRY II

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### STAT PREREQUISITE COURSES

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STAT 200 ELEMENTARY STATISTICS

**OR**

SCM 200 INTRODUCTION TO STATISTICS FOR BUSINESS

**OR**

STAT 250 INTRODUCTION TO BIOSTATISTICS

**OR**

STAT 319 APPLIED STATISTICS IN SCIENCE

**OR**

STAT 401 EXPERIMENTAL METHODS

**OR**

I E 424 PROCESS QUALITY ENGINEERING

**OR**

PL ET 227 PLASTICS PROCESSING & STATISTICAL METHODS

**OR**

EMET 350 QUALITY CONTROL, INSPECTION, AND DESIGN

**OR**

I E 322 QUANTITATIVE METHODS IN INDUSTRIAL ENGINEERING I

AND

I E 323 QUANTITATIVE METHODS IN INDUSTRIAL ENGINEERING II

**OR**

M E 345 INSTRUMENTATION, MEASUREMENTS, AND STATISTICS

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**COMPUTER SCIENCE PREREQUISITE COURSES**

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CMPS 201 PROGRAMMING FOR ENGINEERS WITH C++

**OR**

CMPS 203 INTRODUCTION TO SPREADSHEETS AND DATABASES

**OR**

CMPS 101 INTRODUCTION TO C++ PROGRAMMING

**OR**

PL ET 050 COMPUTER APPLICATIONS FOR PLASTICS ENGINEERING TECHNOLOGY