

# Purdue Online MSME POS Template

Below is just a sample of what a plan of study (POS) might look like for someone interested in this area. It is not a fixed plan, and you should create your plan of study based on what your interest is from the various course offerings. Always check to see what is available each semester when the course catalog is released, as the course offerings may change from what was initially expected.

## Coursework Requirements

**30 credit hours** are required to complete the online MSME degree, and can consist of 1- 2-, and 3-credit hour courses.

- Must include **15 credit hours** of Mechanical Engineering graduate-level courses
- Must include **6 credit hours** of graduate-level Applied Math, three credits of which must be taken from the Department of Mathematics.
- **9 credit hours** of graduate-level Technical Elective courses from Engineering, Mathematics, or Science.

## AREA: Design

Area	Courses Title	Subj. Abbr.	Course No.	Credit Hours	Regis. Type	Grade	B or better	Transf -From	Date To Be Completed
RELATED	Numerical methods in mechanical engineering	ME	58100	3.00			█	█	Fall 2021
RELATED	Advanced mathematics for engineers and physicists I	MA	52700	3.00			█	█	Fall 2021
PRIMARY	Reliability in engineering design	ME	57100	3.00			█	█	Spring 2022
PRIMARY	Human motion kinetics	ME	57700	3.00			█	█	Spring 2022
PRIMARY	Linear algebra with applications	MA	51100	3.00			█	█	Summer 2022
PRIMARY	Machine design	ME	57000	3.00			█	█	Fall 2022
PRIMARY	Finite element methods in aerospace structures	AAE	55800	3.00			█	█	Fall 2022
PRIMARY	Lubrication, friction and wear	ME	55600	3.00			█	█	Spring 2023
PRIMARY	Product and process design	ME	55300	3.00			█	█	Spring 2023
PRIMARY	Design for manufacturability	ME	55700	3.00			█	█	Fall 2023