

Purdue Online MSME POS SAMPLE

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: Fluid Mechanics

Area	Courses Title	Subj. Abbr.	Course No.	Credit Hours	Regis. Type	Grade	B or better	Transf er -From	Date To Be Completed
RELATED	Adv Math Engr Phys I	MA	52700	3			█	█	Summer 2021
PRIMARY	Boundary Layer Theory	ME	61000	3			█	█	Fall 2021
PRIMARY	Computational Fluid Dynamics	ME	61400	3			█	█	Fall 2021
PRIMARY	Computational Methods for Interface Dynamics	ME	69700	3			█	█	Spring 2022
RELATED	Adv Math Engr Phys I	MA	52800	3			█	█	Spring 2022
PRIMARY	Gas Dynamics	ME	51000	3			█	█	Fall 2022
PRIMARY	Intermediate Fluid Mechanics	ME	50900	3			█	█	Fall 2022
PRIMARY	Principles of turbulence	ME	61100	3			█	█	Spring 2023
PRIMARY	Two-phase flow and heat transfer	ME	50600	3			█	█	Spring 2023
PRIMARY	Turbomachinery II	ME	53300	3			█	█	Fall 2023
Note: May also consider ME 697, Micro and Nano Fluid Mechanics									