



Degree Requirements Worksheet

Use this worksheet as a guide to track your progress toward graduation, inform future course selection, and ensure that degree requirements are met. This worksheet is for your benefit only, submission is not required.

STUDENT INFORMATION

STUDENT NAME	
UFID	FOCUS AREA

CORE COURSE REQUIREMENTS

All MS graduate students will follow the core course degree requirements for one of the three MAE graduate study groups: Dynamics, Systems, & Control (DSC); Solid Mechanics, Design, & Manufacturing (SMDM); and Thermal Science & Fluid Dynamics (TSFD). The required MS Final Exam is based on your chosen core area.

DSC - Choose 3*		SMDM - Choose 3		TSFD - Choose 3	
COURSE	Credits	COURSE	Credits	COURSE	Credits
EML5215 Analytic Dyn.	3	EML5233 Failure of Materials	3	EML5104 Intro to Thermodyn.	3
EML5311 Ctrl. Sys. Theory	3	EML5526 Finite Element	3	EML6154 Conduction Heat	3
EML6281 Robot Geo. I	3	EGM5533 Applied Elasticity	3	EML6155 Convection Heat	3
		EML6324 Funds. of Prod. Eng.	3	EAS6138 Gas Dynamics	3
		EGM6611 Continuum Mech.	3	EGM6812 Fluid Dynamics I	3
				EGM6813 Fluid Dynamics II	3

*There is no core course requirement for DSC. Students selecting DSC are encouraged to take the core to prepare them for other DSC courses and for the MS Final Exam. Note that if you choose DSC, your MS Final Exam will be based on the DSC core.

MS DEGREE REQUIREMENTS

30 total graduate credits (5000 level and above**) must be completed before applying for degree certification. Use the below sections to track your degree requirement progress. Please use this worksheet in conjunction with the MS Degree Requirements policy available in the MAE EDGE Central Canvas Site. Additionally, review the [MAE EDGE Course Schedule](#) for guidance.

MAE Courses (Min 18 credits)		Non-MAE (Max 12 credits)		Graduation Requirements	
COURSE	CREDITS	COURSE	CREDITS	REQUIREMENT	MET
CORE 1				3.0 or greater cumulative & major GPA	
CORE 2				C or higher in all courses	
CORE 3				Completed core requirements	
				Passed MS Non-Thesis Exam during term of graduation***	
				Minimum , 18 credits of MAE courses	
				Maximum , 12 credits of Non-MAE courses	

up to six credit hours of 3000 and/or 4000 level coursework **may apply; department approval **is required**
 ***once you have applied for graduation in your final term, the MS Non-Thesis exam will become available in Canvas midway through the semester.