

Mechanical Engineering MS – Automotive Engineering

Curriculum Approval and Warrant Request Form *(for students beginning program Fall 2022 and after)*

Form instructions: Form is fillable PDF – type form, obtain advisor digital signature, email to [Sara Hladilek](#)

Student Name: _____ Campus ID: _____

WISC Email: _____ Admit Term: _____

Advisor: _____ Graduation Term: _____

Use [preferred name](#) on warrant? Yes (name on warrant will be the preferred name you entered into your MyUW)

No (name on warrant will be the legal name from your student record)

Degree Requirements include 30 credits minimum with at least 24 credits formal coursework, 15 formal ME credits taken at UW-Madison, and 15 credits satisfying the Graduate School 50% Minimum Coursework Requirement. Review the ME Grad Handbook for additional information. If the course was taken prior to entering this program, type * after the term & year taken. Enter "PI" in the grade column for any coursework that is currently 'in progress.'

Example of how to complete form tables:

Course Number	Course Title	Term & Year Taken	Grade	50%	Credits
ME 567	Solar Energy Technology	Spring 2023	A		3
ME 964	Adv Topics in ME: Nonlinear Elasticity	Fall 2023	IP	3	3

1.	ME 903 Graduate Seminar (2 terms required)				
	Term & Year 1:	Grade 1:		Term & Year 2:	Grade 2:

2.	Required Core Engines Courses: Summer Term (6 credits required)		Term & Year Taken	Grade	50%	Credits
	ME 669	Engine Experiments (50%)				
	ME 673	Internal Combustion Engine Simulations (50%)				

3.	Required Core Courses (12 credits required)		Term & Year Taken	Grade	50%	Credits
	ME 461	Thermal Systems Modeling				
	ME 466	Air Pollution Effects, Measurements and Control				
	ME 469	Internal Combustion Engines (50%)				
	ME 561	Intermediate Thermodynamics (50%)				
	ME 563	Intermediate Fluid Dynamics (50%)				
	ME 564	Heat Transfer (50%)				
	ME 569	Applied Combustion (50%)				
	ME 572	Intermediate Gas Dynamics (50%)				
	ME 573	Computational Fluids Dynamics (50%)				
	ME 761	Topics in Thermodynamics (50%)				
	ME 764	Advanced Heat Transfer I – Conduction (50%)				
	ME 769	Combustion Processes (50%)				
	ME 770	Advanced Experimental Instrumentation (50%)				
	ME 774	Chemical Kinetics of Combustion Systems (50%)				
	ME 775	Turbulent Heat and Momentum Transfer (50%)				

4.	Additional FORMAL Courses (6 credits required, from any department; place * after course number if transfer course)					
	Course Number	Course Title	Term & Year Taken	Grade	50%	Credits

5.	All Additional Courses not listed above to be used in degree (6 credits required; Max. 3 credits of Seminar courses permitted, but not required; Independent Study permitted, but not required; place * after course number if transfer course)					
	Course Number	Course Title	Term & Year Taken	Grade	50%	Credits

Totals:		
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Faculty Advisor Digital Signature & Date: _____