

Mechanical Engineering MS – Automotive Engineering Curriculum Approval and Warrant Request Form

Student Name: _____

Wisc ID: _____

Wisc Email: _____

Admit Term: _____

Advisor: _____

Graduation Term: _____

*Degree Requirements include 30 credits minimum with at least 24 credits formal coursework, 15 formal ME credits taken at UW-Madison, 3 credits formal coursework at the 700+ level, and 15 credits satisfying the Graduate School 50% Minimum Coursework Requirement. Review the ME Grad Handbook for additional information. Place * after term if course is from UW-Madison undergrad & attach required advisor approval form.*

Example of how to complete form tables:

Course Number	Course Title	Term & Year Taken	Grade	700 + Level	50%	Credits
ME 567	Solar Energy Technology	Spring 2020	A			3
ME 964	Adv Topics in ME: Nonlinear Elasticity	Fall 2020	IP	3	3	3

1.	ME 903 (2 terms required)				Credits
	ME 903 Graduate Seminar	Term 1 Grade:	Term 2 Grade:		0

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

3.	Required Core Courses (12 credits required)			Term Taken	Grade	700+ Level	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.	All Additional Courses not listed above (No more than 6 credits ME 699 or non-formal coursework permitted)						
	Course Number	Course Title	Term Taken	Grade	700+ Level	50%	Credits

Totals:						
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Faculty Advisor Signature: _____

Date: _____