

Engineering Mechanics MS – Fundamentals of Applied Mechanics

Curriculum Approval and Warrant Request Form

Submit completed form to the EP Graduate Student Services Coordinator, ME 3182.

*Place * next to the grade if course was taken as a UW-Madison undergraduate (from approved course list in handbook) or as a special student (see handbook for details). Attach "Previously Earned Credits Approval Form" to this warrant request.*

Student Name: _____ Wisc ID: _____

Wisc Email: _____ Advisor: _____

Admit Term: _____ Graduation Term: _____

Summer Term (3 credits total required, additional 3 credits recommended)	Grade	Credits
--	-------	---------

Recommended:

EMA 202	Dynamics (<i>strongly recommended but will not satisfy any degree requirement</i>)		
---------	--	--	--

Required:

EMA 303	Mechanics of Materials (<i>required</i>)		
---------	--	--	--

Fall Term (14 credits total required)	Grade	Credits
---------------------------------------	-------	---------

Required 11 credits:

EMA 307	Mechanics of Materials Lab		
EMA 506	Advanced Mechanics of Materials I		
EMA 542	Advanced Dynamics		
EMA/EP 547	Engineering Analysis I		
EMA 601	Special Topics in Engineering Mechanics (Topic: Mechanics Seminar)		

Required 3 credits, select from the following:

EMA 570	Experimental Mechanics (<i>must also take ME 405 in Spring</i>)		
EMA 605	Introduction to Finite Elements		

Spring Term (13 credits total required)	Grade	Credits
---	-------	---------

Required 4 credits:

EMA/EP 548	Engineering Analysis II		
EMA 601	Special Topics in Engineering Mechanics (Topic: Mechanics Seminar)		

Required 9 credits, select from the following:

- ***At least one of the courses with * must be successfully completed***

EMA 508	Composite Materials		
EMA 519	Fracture Mechanics		
EMA 405	Practicum in Finite Elements (<i>must first take EMA 570 in Fall</i>)		
EMA 611	Advanced Mechanical Testing of Materials		
EMA 622*	<i>Mechanics of Continua</i>		
EMA 642*	<i>Satellite Dynamics</i>		
EMA 705*	<i>Advanced Topics in Finite Elements</i>		

Credit Total:	
----------------------	--

Faculty Advisor Signature: _____

Date: _____