

Engineering Mechanics Graduate Plan of Study, Master's

First Name: _____ Last Name: _____

Student ID number: _____

CORE Course						
Course Name	Course Title & Information	Credits	Taken Semester/Year	Grade	Instructor	
ESM 5014	Intro to Continuum Mechanics	3				
MATH Course						
Any ONE, 3 credit MATH 5000-6000 level course. See Grad Manual for additional courses that may count.						
Course Name	Course Title & Information	Credits	Taken Semester/Year	Grade	Instructor	
		3				
Additional ESM Courses						
Pick ONE ESM 5000-6000 level course in TWO of the following areas: Solids & Materials, Fluids, and Motion						
Course Name	Course Title & Information	Credits	Taken Semester/Year	Grade	Instructor	Area
		3				
		3				
Seminar						
Minimum of 2, one-credit hour seminars. Does not count toward 30 required hours.						
Course Name	Course Title & Information	Credits	Taken Semester/Year	Grade	Instructor	
ESM 5944		1				
ESM 5944		1				
Additional 5000-6000 courses taken at Virginia Tech						
Maximum of 5 credits as Independent Study or Special Study						
Course Name	Course Title & Information	Credits	Taken Semester/Year	Grade	Instructor	
Research						
Do NOT list research hours separately by semester. Combine all research hours you plan to accumulate by your final semester and record that number with the year and semester you plan to graduate.						
Course Name	Course Title & Information	Credits	Taken Semester/Year	Instructor		
4000 Level Courses						
No more than 6 credits						
Course Name	Course Title & Information	Credits	Taken Semester/Year	Grade	Instructor	

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Transferred from:

Transfer Courses				
Cannot exceed number of credit hours taken at Virginia Tech				
Course Name and Title	Credits	Taken Semester/Year	Grade	VT Equivalent Course

Engineering Mechanics Advisory Committee

Chairperson's Name (print)	Signature	ID #	Date
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Committee Member Name (print)	Signature	ID #	Date
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Committee Member Name (print)	Signature	ID #	Date
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Student Signature			Date
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EM Graduate Program Chair Signature			Date
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Graduate Coordinator Signature			Date
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ESM COURSES IN FLUIDS, MATHEMATICS, SOLIDS AND MATERIALS, MOTION AND BIOMECHANICS

<u>FLUIDS</u>	<u>MATHEMATICS</u>	<u>SOLIDS AND MATERIALS</u>	<u>MOTION</u>	<u>BIOMECHANICS</u>
		ESM 4024	ESM 4074	ESM 4105
		ESM 4044	ESM 4114	ESM 4106
		ESM 4054	ESM 4444	ESM 4204
		ESM 4064	ESM 4524	ESM 42XX
		ESM 4084		ESM 4574
		ESM 4154		
ESM 5504	ESM 5414	ESM 5064	ESM 5304	ESM 5305
ESM 5514	ESM 5725*	ESM 5074	ESM 5314	ESM 5306
ESM 5524	ESM 5726**	ESM 5124	ESM 5324	ESM 5354
ESM 5554	ESM 5734	ESM 5134	ESM 5344	ESM 5405
ESM 5564	ESM 5744	ESM 5144	ESM 5354	ESM 5406
	ESM 5754	ESM 5174	ESM 5414	ISE 5614
			ESM 5464	
		ESM 5194		VMS 5454
ESM 6504		ESM 5204	ESM 6304	VMS 5464
ESM 6514	ESM 6714	ESM 5234	ESM 6314	VMS 5474
ESM 6524	ESM 6734	ESM 5264	ESM 6324	
ESM 6544	ESM 6754	ESM 5444	ESM 6464	
		ESM 5454		VMS 5184
		ESM 5604		VMS 5194
	*Also known as: Math 5495	ESM 5654		
	**Also known as Math 5496			VMS 5394
		ESM 6014		VMS 5434
<u>GENERAL</u>		ESM 6044		VMS 5444
ESM 4004	Or ANY Math 5000	ESM 6054		
ESM 4094	or 6000-level class	ESM 6084		
ESM 4714		ESM 6104		
		ESM 6154		

A maximum of 3 credit hours may be in courses not approved for graduate credit and numbered 4000 if outside the student's major field and if judged by the student's committee to be on a level warranting graduate credit. Graduate level courses offered by other departments cannot be used to meet the requirement of taking one graduate level course in solids and materials, fluids and motion.