MAJOR IN MECHANICAL ENGINEERING

Major Completion Map

Freshman

Distinctive Requirements for Degree Program:

TO DECLARE MAJOR: Competitive entry controls required and capped enrollment in place. Incoming students please see the Office of Admissions to declare. Current CSU students please see your assigned advisor for information about the waitlist.

TO PREPARE FOR FIRST SEMESTER: The curriculum for this major assumes students enter college prepared to take calculus.

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Semester 1		Critical	Recommended	AUCC	Credits
CHEM 111	General Chemistry I (GT-SC2)	X		3A	4
CHEM 112	General Chemistry Lab I (GT-SC1)	X		3A	1
CO 150	College Composition (GT-CO2)		Χ	1A	3
MATH 160	Calculus for Physical Scientists I (GT-MA1)	X		1B	4
MECH 103	Introduction to Mechanical Engineering	X			3
	Total Credits				15
Semester 2		Critical	Recommended	AUCC	Credits
MATH 161	Calculus for Physical Scientists II (GT-MA1)	X		1B	4
MECH 105	Mechanical Engineering Problem Solving	X			3
PH 141	Physics for Scientists and Engineers I (GT-SC1)	X		3A	5
	ities (http://catalog.colostate.edu/general-catalog/all- curriculum/aucc/#arts-humanities)		Х	3B	3
	and Inclusion (http://catalog.colostate.edu/general-catalogre-curriculum/aucc/#diversity-equity-inclusion)	/		1C	3
	completed by the end of Semester 2.	Χ			
	Total Credits				18
Sophomore					
Semester 3		Critical	Recommended	AUCC	Credits
CIVE 260	Engineering Mechanics-Statics	X			3
MATH 261	Calculus for Physical Scientists III	X			4
Select one group	o from the following:				3
Group A:					
MECH 200	Introduction to Manufacturing Processes	X			
Group B:					
MECH 200A	Introduction to Manufacturing Processes: Lecture	X			
MECH 200B	Introduction to Manufacturing Processes: Laboratory	X			
MECH 201	Engineering Design I	X			2
PH 142	Physics for Scientists and Engineers II (GT-SC1)	X		3A	5
	Total Credits				17
Semester 4		Critical	Recommended	AUCC	Credits
CIVE 261	Engineering Mechanics-Dynamics	X			3
ECE 204	Introduction to Electrical Engineering	X			3
MATH 340	Intro to Ordinary Differential Equations	X			4
MECH 202	Engineering Design II	Х			3
MECH 231	Engineering Experimentation	Х			3
	Total Credits				16
Junior					
Semester 5		Critical	Recommended	AUCC	Credits
CIVE 360	Mechanics of Solids	Χ			3
MECH 307	Mechatronics and Measurement Systems	Χ			4
MECH 324	Dynamics of Machines	Χ			4
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