University of Iowa- College of Engineering & Iowa Central Community College



		MECHANICAI	_					
	UI Course #	University of Iowa Course Title	SH		ICCC Course #	Iowa Central CC Course Title	S	
emester 1	L							
Fall	MATH:1550	Engineering Math I – Single Variable Calculus	4	вотн	MAT 210	Calculus I	4	
					MAT 216	Calculus II		
	ENGR:1100	Introduction to Engineering Problem Solving	3		No equivalent cou	rse offered		
	CHEM:1110	Principles of Chemistry I & Lab	4		CHM 165	General Chemistry I		
	RHET:1030	Rhetoric (Writing Component 1, Writing Component 2, and a single Speech Component all required)	4	ALL	ENG 105	Composition I		
					ENG 106	Composition II		
					SPC 112	Public Speaking		
	ENGR:1000	Engr Success for First-Year Students	1*		No equivalent cou	rse offered		
		Total	16					
emester 2	2							
	MATH:1560	Engineering Math II: Multi-Variable Calculus	4		MAT 219**	Calculus III		
	MATH:2550	Engineering Math III: Matrix Algebra	2		No equivalent cou	No equivalent course offered		
Spring	ENGR:1300	Introduction to Engineering Computing	3		CIS 172	Java		
				CHOOSE 1	CIS 162	C++		
	PHYS:1611	Introductory Physics I	4		PHY 212	Classical Physics I		
		General Education Component #1	3					
		Total	16					
emester 3	3							
Fall	MATH:2560	Engineering Math IV: Differential Equations	3		MAT 226	Differential Equations with Laplace		
	PHYS:1612	Introductory Physics II (Without Lab)	3		PHY 222	Classical Physics II		
	ENGR:2110	Engineering Fundamentals I – Statics	2		No equivalent course offered			
	ENGR:2120	Engineering Fundamentals II: Electrical Circuits	3		No equivalent course offered			
	ENGR:2130	Engineering Fundamentals III: Thermodynamics	3		No equivalent course offered			
		General Education Component #2	3					
	ME:2020	Sophomore Seminar: Mechanical Engineering	0		No equivalent cou	irse offered		
		Total	17					
emester 4	1							
	ENGR:2720	Materials Science	3		No equivalent cou	irse offered		
	ENGR:2750	Mechanics of Deformable Bodies	3		No equivalent cou	rse offered		
OR	ENGR:2760	Design for Manufacturing	3		No equivalent course offered			
	STAT:2020	Probability and Stat for Engineering & Phys Sci	3		No equivalent course offered			
Spring	ENGR:2710	Dynamics	3		No equivalent cou	irse offered		
		Elective Focus Area #1	3					
		Total	15					

	UI Course #	MECHANIC University of Iowa Course Title	SH	ICCC Course # Iowa Central CC Course Title	SH
emester 5		University of Iowa Course Title	ЗП	iccc course # llowa central cc course Title	31
emester	MATH:3550	Engineering Math V: Vector Calculus	3	No equivalent course offered	
	ENGR:2510	Fluid Mechanics	4	No equivalent course offered	
				·	
OR	STAT:2020	Probability and Stat for Engineering & Phys Sci	3	No equivalent course offered	
- "	ENGR:2760	Design for Manufacturing	3	No equivalent course offered	
Fall	ENGR:2730	Computers in Engineering (Section 002)	2	No equivalent course offered	
	ME:3351	Engineering Instrumentation	2	No equivalent course offered	
		Elective Focus Area #2	3		
	ME:3091	Professional Seminar: Mechanical Engineering	0	No equivalent course offered	
		Total	17		
emester (1			
	ME:3040	Thermodynamics II	3	No equivalent course offered	
	ME:3045	Heat Transfer	3	No equivalent course offered	
Spring	ME:3052	Mechanical Systems	4	No equivalent course offered	
		Elective Focus Area #3	3		
		General Education Component #3	3		
		Total	16		
emester	7				
	ME:4048	Energy Systems Design	4	No equivalent course offered	
	ME:4055	Mechanical Systems Design	3	No equivalent course offered	
OR		Elective Focus Area #4	3		
OIL	ME:4086	Mechanical Engineering Design Project	3	No equivalent course offered	
OR		Elective Focus Area #5	3		
	ME:4080	Experimental Engineering	4	No equivalent course offered	
Fall		General Education Component #4	3		
	ME:3091	Professional Seminar: Mechanical Engineering	0	No equivalent course offered	
		Total	16		
emester 8	8				
	ME:4086	Mechanical Engineering Design Project	3	No equivalent course offered	
OR		Elective Focus Area #4	3		
OR	ME:4080	Experimental Engineering	4	No equivalent course offered	
		Elective Focus Area #5	3		
Spring		Elective Focus Area #6	3		
i- ··O		Elective Focus Area #7	3		
		General Education Component	3		

2017-18 Curriculum updated June 2018

^{* 1}sh; does not count toward 128 sh total required for graduation

^{**}Students must have completed Calculus I, II, and III to receive credit for Engineering Math II