

MECHANICAL ENGINEERING

SAMPLE 5 YEAR PLAN

A Block						
Fall			Spring			
Year 1	MECE-102	Engineering Mechanics Lab	3	MECE-103	Statics	3
	MECE-104	Engineering Design Tools	3	MECE-117	Intro to Programming for Engineers	3
	MATH-181	Calculus I	4	MATH-182	Calculus II	4
		First Year Writing Course	3		General Education Elective	3
		Perspective I	3		Perspective II	3
Total			16	Total		
Year 2	MECE-110	Thermodynamics I	3	EEEE 281	Circuits I	3
	MECE-203	Strengths of Materials I	3	MECE-205	Dynamics	3
	MECE-204	Strengths of Materials I Lab	1	MECE-210	Fluid Mechanics I	3
	MATH-219	Multivariable Calculus	3	MECE-211	Engineering Measurements Lab	2
		Perspective III	3	MATH-231	Differential Equations	3
		Perspective IV	3		Perspective V	3
EGEN-99	Co-op Prep	0				
Total			16	Total		
Year 3	MECE-499	Summer/Fall Co-op		MECE-305	Materials Science	3
				MECE-306	Materials Science Lab	1
				MECE-320	System Dynamics	3
				PHYS-212	Physics II	4
				MATH-326	Boundary Value Problems	3
					Immersion I	3
				Wellness I	0	
Total			0	Total		
Year 4	MECE-499	Summer/Fall Co-op		MECE-3xx	ME Extended Core Elective I	3
				MECE-301	Engineering Applications Lab	2
				MECE-310	Heat Transfer I	3
				MECE-348	Contemporary Issues in ME	3
				MATH-241	Linear Algebra	3
					ME Approved Science Elective	3
Total			0	Total		
Year 5	MECE-4xx	ME Applied Elective I	3	MECE-498	Senior Design II	3
	MECE-497	Senior Design I	3	MECE-xxx	ME Applied Elective II	3
	STAT-205	Statistics	3		Immersion III	3
		Immersion II	3		Free Elective II	3
		Free Elective I	3		Free Elective III	3
		Wellness II	0			
Total			15	Total		

Program Total 129

This planning document is a tool to help you visualize your course sequence. Please refer to your AAR for a complete overview of your degree requirements. Course names and numbers are subject to change.

MECHANICAL ENGINEERING

SAMPLE 5 YEAR PLAN

B Block						
Fall			Spring			
Year 1	MECE-102	Engineering Mechanics Lab	3	MECE-103	Statics	3
	MECE-117	Intro to Programming for Engineer	3	MECE-104	Engineering Design Tools	3
	MATH-181	Calculus I	4	MATH-182	Calculus II	4
		First Year Writing Course	3		General Education Elective	3
		Perspective I	3		Perspective II	3
Total			16	Total		
Year 2	MECE-205	Dynamics	3	MECE-110	Thermodynamics I	3
	MECE-211	Engineering Measurements Lab	2	MECE-203	Strengths of Materials I	3
	MATH-219	Multivariable Calculus	3	MECE-204	Strengths of Materials I Lab	1
		Perspective III	3	EEEE 281	Circuits I	3
		Perspective IV	3	MATH-231	Differential Equations	3
		Perspective V	3		Immersion I	3
				EGEN-99	Co-op Prep	0
Total			17	Total		
Year 3	MECE-210	Fluid Mechanics I	3	MECE-499	Spring/Summer Co-op	
	MECE-305	Materials Science	3			
	MECE-306	Materials Science Lab	1			
	MECE-320	System Dynamics	3			
	MATH-326	Boundary Value Problems	3			
		Immersion II	3			
	Wellness I	0				
Total			16	Total		
Year 4	MECE-3xx	ME Extended Core Elective I	3	MECE-499	Spring/Summer Co-op	
	MECE-301	Engineering Applications Lab	2			
	MECE-310	Heat Transfer I	3			
	MECE-348	Contemporary Issues in ME	3			
	MATH-241	Linear Algebra	3			
		ME Approved Science Elective	3			
Total			17	Total		
Year 5	MECE-497	Senior Design I	3	MECE-498	Senior Design II	3
	MECE-4xx	ME Applied Elective I	3	MECE-xxx	ME Applied Elective II	3
	PHYS-212	Physics II	4		Immersion III	3
	STAT-205	Statistics	3		Free Elective II	3
		Free Elective I	3		Free Elective III	3
	Wellness II	0				
Total			16	Total		

Program Total 129

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