MECHANICAL ENGINEERING
The Kate Gleason COLLEGE OF ENGINEERING

SAMPLE 5 YEAR PLAN-Students Entering in Fall 2013-2017

A Block

	Fall			Spring		
Year 1		First Year Writing Course	3		General Education Elective	3
	MATH-181	Project-Based Calculus I	4	MATH-182	Project-Based Calculus II	4
		Perspective I	3		Perspective II	3
	MECE-102	Engineering Mechanics Lab	3	MECE-305	Materials Science	3
	MECE-104	Engineering Design Tools	3	MECE-306	Materials Science Lab	1
				MECE-103	Statics	3
		Total	**16**		**Total**	**17**
Year 2		Perspective III	3		Immersion I	3
		Perspective IV	3	MATH-231	Differential Equations	3
	MATH-219	Multivariable Calculus	3		Science Elective I	3
	MECE-203	Strengths of Materials I	3	MECE-210	Fluid Mechanics I	3
	MECE-204	Strengths of Materials I Lab	1	MECE-205	Dynamics	3
	MECE-110	Thermodynamics I	3	MECE-211	Engineering Measurements Lab	2
	EGEN-99	Co-op Prep	0			
		Total	**16**		**Total**	**17**
Year 3	MECE-499	Summer/Fall Co-op		PHYS-212	Physics II	4
				MATH-326	Boundary Value Problems	3
				MECE-320	System Dynamics	3
				MECE-317	Numerical Methods	3
				EEEE 281	Circuits I	3
					Wellness I	0
		Total	**0**		**Total**	**16**
Year 4	MECE-499	Summer/Fall Co-op		MECE-348	Contemporary Issues in ME	3
				MECE-3xx	ME Extended Core Elective I	3
				MATH-241	Linear Algebra	3
					Science Elective II	3
				MECE-310	Heat Transfer I	3
				MECE-301	Engineering Applications Lab	2
		Total	**0**		**Total**	**17**
Year 5	MECE-497	Senior Design I	3	MECE-498	Senior Design II	3
	MECE-4xx	ME Applied Elective I	3	MECE-4xx	ME Applied Elective II	3
		Immersion II	3	MECE-xxx	ME Applied Elective III (or Ext Core II)	3
	STAT-205	Statistics	3		Immersion III	3
		Free Elective I	3		Free Elective II	3
		Wellness II	0			
		Total	**15**		**Total**	**15**

Program Total 129

7/12/17

MECHANICAL ENGINEERING

SAMPLE 5 YEAR PLAN-Students Entering in Fall 2013-2017

B Block						
	Fall			Spring		
Year 1		First Year Writing Course	3		General Education Elective	3
	MATH-181	Project-Based Calculus I	4	MATH-182	Project-Based Calculus II	4
		Perspective I	3		Perspective II	3
	MECE-102	Engineering Mechanics Lab	3	MECE-305	Materials Science	3
	MECE-104	Engineering Design Tools	3	MECE-306	Materials Science Lab	1
				MECE-103	Statics	3
		Total	**16**		**Total**	**17**
Year 2		Perspective III	3		Immersion I	3
		Perspective IV	3	MATH-231	Differential Equations	3
	MATH-219	Multivariable Calculus	3	PHYS-212	Physics II	4
		Science Elective I	3	MECE-203	Strengths of Materials I	3
	MECE-205	Dynamics	3	MECE-204	Strengths of Materials I Lab	1
	MECE-211	Engineering Measurements Lab	2	MECE-110	Thermodynamics I	3
				EGEN-99	Co-op Prep	0
		Total	**17**		**Total**	**17**
Year 3	MECE-210	Fluid Mechanics I	3	MECE-499	Spring/Summer Co-op	
	MATH-326	Boundary Value Problems	3			
	MECE-320	System Dynamics	3			
	MECE-317	Numerical Methods	3			
	EEEE 281	Circuits I	3			
		Wellness I	0			
		Total	**15**		**Total**	**0**
Year 4	MECE-348	Contemporary Issues in ME	3	MECE-499	Spring/Summer Co-op	
	MECE-3xx	ME Extended Core Elective I	3			
	MATH-241	Linear Algebra	3			
		Science Elective II	3			
	MECE-310	Heat Transfer I	3			
	MECE-301	Engineering Applications Lab	2			
		Total	**17**		**Total**	**0**
Year 5	MECE-497	Senior Design I	3	MECE-498	Senior Design II	3
	MECE-4xx	ME Applied Elective I	3	MECE-4xx	ME Applied Elective II	3
		Immersion II	3	MECE-xxx	ME Applied Elective III (or Ext Core II)	3
	STAT-205	Statistics	3		Immersion III	3
		Free Elective I	3		Free Elective II	3
		Wellness II	0			
		Total	**15**		**Total**	**15**
					Program Total	**129**

MECHANICAL ENGINEERING

SAMPLE 5 YEAR PLAN

Advanced A Block (Entering w/ AP Physics)*

	Fall			Spring		
Year 1		First Year Writing Course	3		General Education Elective	3
	MATH-181	Project-Based Calculus I	4	MATH-182	Project-Based Calculus II	4
	PHYS-207	University Physics I AP-C Waves	1		Perspective I	3
	MECE-104	Engineering Design Tools	3	MECE 103	Statics	3
	MECE-109	Computer Tools	1	MECE 110	Thermodynamics	3
	MECE 305	Materials Science	3			
	MECE-306	Materials Science Lab	1			
		Total	**16**		**Total**	**16**
Year 2		Perspective II	3		Immersion I	3
		Perspective III	3		Perspective IV	3
	MATH-219	Multivariable Calculus	3	MATH-231	Differential Equations	3
	MECE-203	Strengths of Materials I	3		Engineering Topics	2
	MECE-204	Strengths of Materials I Lab	1	MECE-210	Fluid Mechanics I	3
	MECE 205	Dynamics	3	MECE-211	Engineering Measurements Lab	2
	EGEN-99	Co-op Prep	0			
		Total	**16**		**Total**	**16**
Year 3	MECE-499	Summer/Fall Co-op		PHYS-212	Physics II	4
				MATH-326	Boundary Value Problems	3
				MECE-320	System Dynamics	3
				MECE-317	Numerical Methods	3
				EEEE 281	Circuits I	3
					Wellness I	0
		Total	**0**		**Total**	**16**
Year 4	MECE-499	Summer/Fall Co-op		MECE-348	Contemporary Issues in ME	3
				MECE-3xx	ME Extended Core Elective I	3
				MATH-241	Linear Algebra	3
				MECE-310	Heat Transfer I	3
				MECE-301	Engineering Applications Lab	2
					Science Elective I	3
		Total	**0**		**Total**	**17**
Year 5	MECE-497	Senior Design I	3	MECE-498	Senior Design II	3
	MECE-4xx	ME Applied Elective I	3	MECE-4xx	ME Applied Elective II	3
		Immersion II	3	MECE-xxx	ME Applied Elective III (or Ext Core II)	3
	STAT-205	Statistics	3		Immersion III	3
		Free Elective I	3		Free Elective II	3
		Wellness II	0			
		Total	**15**		**Total**	**15**

Program Total (includes AP Physics-3cr) **130**

7/12/17