PLUS ONE CURRICULUM OUTLINE

Sample Only – Actual Curriculum Sequence May Deviate from Sample

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING CURRICULUM - 4 YEAR 2 COOP OPTION - CLASS OF 2020, 2021

	FALL			SPRING			SUMMER 1			SUMMER 2		
Year 1	MATH1342	Calculus 2 for Engrs.	4	MATH2321	Calculus 3 for Engrs.	4	ME2350	Eng'g Mech & Design	4	Vacation		
	CHEM1151	General Chem. for Engrs.	4	PHYS1151	Physics 1 Engrs.	3	Elective	General Elective	4			
	CHEM1153	Recitation for CHEM1151	0	PHYS1152	Physics 1 Lab	1						
	GE1000	Intro to Eng'g.	1	PHYS1153	ILS for PHYS1151	1						
	GE 1501	Cornerstone Eng. 1	4	GE 1502	Cornerstone Eng. 2	4						
	ENGW1111	College Writing	4	Elective	General Elective	4						
Year 2 (MC)	MATH2341	Diff. Eq./ Lin. Alg.	4	Elective	Graduate Course #1	4	ME3475	Fluid Mechanics	4	Co-op		
	PHYS1155	Physics 2 for Engrs.	3	ME3455	Dynamics & Vib.	4	Elective	Graduate Course #2	4			
	PHYS1156	Physics 2 Lab	1	ME3456	Lab for ME3455	1						
	PHYS1157	ILS for PHYS1155	1	ME2340	Material Science	4						
	ME2355	Mech. of Materials	4	ME2341	Lab for ME2340	1						
	ME2356	Lab for ME2355	1	MEIE2000	Intro to Eng'g, Co-op	1						
	ME2380	Thermodynamics	4	ME4508	ME Computation	4						
Year 2 (MD)	MATH2341	Diff. Eq./ Lin. Alg.	4	Co-op			Co-op			ME3475	Fluid Mechanics	4
	PHYS1155	Physics 2 for Engrs.	3							Elective	General Elective	4
	PHYS1156	Physics 2 Lab	1									
	PHYS1157	ILS for PHYS1155	1									
	ME2355	Mech. of Materials	4									
	ME2356	Lab for ME2355	1									
	MEIE2000	Intro to Eng'g Co-op	1									
	ME2380	Thermodynamics	4									
Year 3 (MC)	ENGW3302	Adv Writing in the Tech Prof	4	ME4505	Meas. Anal. Thermal	4	ME4550	ME Design	4	Co-op		
		(to be taken online)		ME4506	Lab for ME4505	1	MEIE4701	Capstone Design	1			
				ME4570	Ther. Sys. Anal. Design	4	Elective	General Elective	4			
		Co-op		ME4555	Syst. Analysis & Control	4						
				MEIE3000	Prof. Issues In Eng'g,	1						
				Elective	Graduate Course #3	4						
Year 3 (MD)	ME4505	Meas. Anal. Thermal	4	ENGW3302	Adv Writing in the Tech Prof	4	Co-op			Elective	Graduate Course #2	4
	ME4506	Lab for ME4505	1		*(to be taken online)*					ME4550	ME Design	4
	ME3455	Dynamics & Vib.	4							MEIE4701	Capstone 1	1
	ME3456	Lab for ME3455	1		Co-op							
	ME4570	Ther. Sys. Anal. Design	4									
	Elective	Graduate Course #1	4									
Year 4 (MC)		Co-op		MEIE4702	Capstone Design 2	5						
				Elective	**Science/Math Elective	4						
				Elective	Graduate Course #4	4						
				EECE2210	Elect. Engineering	4						
				EECE2211	Lab for EECE2210	1						
Year 4 (MD)	EECE2210	Elect. Engineering	4	ME4508	ME Computation	4						
	EECE2211	Lab for EECE2210	1	Elective	Graduate Course #3	4						
	ME4555	Syst. Analysis & Control	4	Elective	Graduate Course #4	4						
	MEIE4702	Capstone Design 2	5	ME2340	Material Science	4						
	Elective	**Science/Math Elective	4	ME2341	Lab for ME2340	1						
	MEIE3000	Prof. Issues in Eng'g,	1									

12/1/2017

* ENGW3315 is an acceptable substitution for engineering majors.
** Science/Math Elective - Please consult with your academic advisor for the complete list of acceptable courses.

NUpath requirements Interpreting Culture (IC), Differences and Diversity (DD) and Societies and Institutions (SI) are not explicitly satisfied by required engineering courses.
Students are responsible for satisfying these requirements, and if these are not fulfilled in engineering courses, should use General Electives to do so.
General Electives are academic, non-remedial, non-repetitive courses.

You will need to have Advanced Standing credit for MATH1341 - Calculus 1 - 4 SH. Please see your academic advisor.
Course sequence may be changed, subject to prerequisite requirements. Please consult with your advisor:

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The registrar's website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.

MASTER OF SCIENCE IN MECHANICAL ENGINEERING CURRICULUM

	FALL		SPRING	
PlusOne Year	Graduate Course #5	4	Graduate Course #7	4
	Graduate Course #6	4	Graduate Course #8	4

For more information about the PlusOne program or for assistance with applying to the program, please contact the Graduate Student Services Team at support@husky.desk-mail.com.