

## PlusOne Curriculum for MECHANICAL ENGINEERING

*Sample Only – Actual Curriculum Sequence May Deviate from Sample*

### BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING CURRICULUM - CLASS OF 2020, 2021, 2022, 2023

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

3/1/2018

\* [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 academic 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	Graduate Course #5	4	Graduate Course #7	4
Year	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.