

**SAIT Mechanical Engineering Technology Diploma Transfer Students**  
**Mechanical Engineering Curriculum Worksheet**

2018-2019 Academic Year  
 Revision Date 2.14.19

Name: \_\_\_\_\_

Advisor: \_\_\_\_\_ Date: \_\_\_\_\_

Semester	Course #	Course Title	Course Credits	Transfer Credits	SAIT Transfer Student Semesters				
					1st	2nd	3rd	4th	5th
Freshman First Semster	CHMY 141	College Chemistry I	3		3				
	CHMY 142	College Chemistry Lab I	1		1				
	EGEN 101	Intr Eng Calc & Probs	3	3					
	EGEN 194	Intr Eng Seminar	1	1					
	M 171	Calc I	3	3					
	WRIT 1XX	<sup>1</sup> Writing Elective Humanities Elective	3	3				3	
Freshman Second Semster	CHMY 143	College Chem II	3			3			
	CHMY 144	College Chem Lab II	1			1			
	EMEC 215	Intro to Mech CAD Modeling	1	1					
	M 172	Calc II	3	3					
	PHSX 234	Gen Phys-Mechanics	3	3					
		<sup>2</sup> Free Elective Humanities Elective	2	2				3	
Sophomore First Semster	CSCI 1XX	<sup>3</sup> Programming Elective	3		3				
	EGEN 201	Engr Mechanics-Statics	3		3				
	EGEN 213	Survey of Met & Mat Eng	3	3					
	M 273	Multivariable Calc	4		4				
	PHSX 235	Gen Phys-Heat, Sound & Optics	3			3			
	PHSX 236	Gen Phys-Heat, Sound & Optics Lab	1			1			
Sophomore Second Semster	EELE 201	Circuits I for Engineering	3			3			
	EELE 202	Circuits I for Engineering Lab	1			1			
	EGEN 202	Dynamics	3			3			
	EGEN 324	Applied Thermodynamics	3				3		
	M 274	Introduction to Diff Equations	3				3		
	PHSX 237	Gen Phys-Ele, Magn & Motion	3				3		
	PHSX 238	Gen Phys-Ele, Magn & Motion Lab	1				1		
Junior First Semester	ECNS 2XX	<sup>4</sup> Economics Elective	3				3		
	EELE 320	Process Instr & Control	3				3		
	EELE 320	Process Instr & Control Lab	1				1		
	EGEN 305	Mech of Materials	3	3					
	EGEN 434	*Applied Thermodynamics II	3					3	
	WRIT 321	Advanced Technical Writing	3					3	
		<sup>2</sup> Free Elective	2					2	
Junior Second Semester	EGEN 306	Mech of Materials Lab	1					1	
	EGEN 318	Comp Apps for Engineering Design	2	2					
	EGEN 325	Engineering Economic Analysis	3					3	
	EGEN 335	Fluid Mechanics	3					3	
	EMEC 326	*Fundamentals of Heat Transfer	3						3
		<sup>5</sup> Math Elective	3	3					
		<sup>#</sup> Professional Electives, 300 or higher	3	3					
Senior First Semester	EGEN 488	Fundamentals of Engineering Exam	1						1
	EGEN 489	Engineering Design I	2					2	
	EMEC 445	Mechanical Vibrations	3						3
	EMEC 455	*Mech Component Design	3						3
		<sup>#</sup> Professional Electives, 300 or higher	3	3					
		<sup>#</sup> Professional Electives, 300 or higher	2	2					
		Social Science Elective	3	3					
Senior Second Semester	EELE 355	Electric Machine Fundamentals	3						3
	EGEN 336	Fluid Mechanics Lab	1						1
	EGEN 499	Engineering Design II	2						2
	EMEC 402	Mech Engineering Lab	1						1
		<sup>#</sup> Professional Electives, 300 or higher	3	3					
		<sup>#</sup> Professional Electives, 300 or higher	3	3					
	<sup>#</sup> Professional Electives, 300 or higher	3	3						
Total Credits:			136	50	17	18	17	17	17