

# Mechanical Engineering Technology Checksheet

Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_

Revised: \_\_\_\_\_  
 Catalog Date: \_\_\_\_\_

Lower-Level Courses						
	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites
Freshman Fall		ENGR 1300	Exploring Engineering & Technology w/ Success(c)	3		
		ENGR 1301	Foundations of Math & Science for Engineering(c)	2		
		MATH 1103	Precalc Math for Sci. & Eng.(c)	3		
		XXXX 15XX	Refer to DegreeWorks for Themes Courses (a)	3		See Footnote (a) below
		XXXX 15XX	Refer to DegreeWorks for Themese Courses (a)	3		See Footnote (a) below
		Total:			14	
Freshman Spring		ENGR 1302	Logic and Computational Problem Solving(c)	3		
		ENGR 1303	Engr Visualization & Graphical Communication(c)	3		
		MATH 1241	Calculus I(c)	3		MATH 1103*
		PHYS 2101	Physics for Science and Engineering I(c)	3		MATH 1241*
		PHYS 2101L	Physics for Science and Engineering I Laboratory(c)	1		MATH 1241*, <i>PHYS 2101</i>
		WRDS 1103	Writing & Inquiry in Academic Contexts I & II(c)	3		
	Total:			16		
Sophomore Fall		MEET 2301	Statics(c)	3		MATH 1103*
		MEET 2211	CAD Fundamentals(c)	3		ENGR 1303*
		MEET 2201	Applied Engineering Materials	3		ENGR 1301*
		MEET 2221	Circuit Fundamentals	3		MATH 1103*
		MEET 2600	Prof. Development Seminar for Engr Technologists	1		
		ETGR 2272	Engineering Analysis II or MATH 1242(c)	3		MATH 1241*
	Total:			16		
Sophomore Spring		MEET 2202	Applied Manufacturing	3		MEET 2201
		MEET 2100	Project Design and Management	3		ENGR 1300*
		MEET 2302	Kinematics	3		MEET 2211*, MATH1241*, <i>PHYS 2101*</i>
		MEET 2222	Instrumentation and Measurements	3		MEET 2221 and ENGR 1302*
		PHYS 1102	Introductory Physics II(c)	3		PHYS 1101*
		PHYS 1102L	Introductory Physics II Laboratory(c)	1		PHYS 1101L* or <i>PHYS 2101L*</i> , <i>PHYS 1102</i>
	Total:			16		
Upper-Level Courses						
	SEM & YR	Course #	Course Title	Hrs	Grade	Prerequisites
Junior Fall		MEET 2203	Machining Laboratory	1		Sophomore Standing
		MEET 3302	Kinetics	3		MEET 2301*, MEET 2302, <i>ETGR 2272</i>
		MEET 3301	Strength of Materials	3		MEET 2301*
		MEET 3301L	Stress Analysis Lab	1		WRDS 1103* OR WRDS 1104*, <i>MEET 3301</i>
		MEET 3250	Fluid Mechanics	3		MEET 2301*, <i>MATH 1241</i>
		ENGL 2116	Intro to Technical Communication	3		
	Total:			14		
Junior Spring		MEET 3100	Junior Design Practicum	3		MEET 2100, MEET 2203
		MEET 3303	Machine Design I	3		MEET 2201, MEET 2302, MEET 3301
		MEET 3251	Principles of Thermal Engineering	3		MEET 3250, <i>ETGR 2272*</i>
		CTCM 2530	Critical Thinking and Communication	3		See Footnote (a) below
		MATH 2171	Differential Equations or Engineering Analysis III	3		MATH 1242* or <i>ETGR 2272*</i>
	Total:			15		
Senior Fall		MEET 4211	Applied CAD Modeling and Simulation	3		MEET 2211*, MEET 3301, <i>MEET 3251</i>
		MEET 4101	Mechanical Capstone Design I(d)	2		See Footnote (d) below
		MEET 4251	Thermal Engineering Applications	3		MEET 3251
		Restricted Elective		3		See Footnote (b) below
		Restricted Elective		3		See Footnote (b) below
	Total:			14		
Senior Spring		MEET 4102	Mechanical Capstone Design II	2		MEET 4101
		MEET 4252	Thermal Fluids Lab	1		WRDS 1103* OR WRDS 1104*, MEET 3251
		Restricted Elective		3		See Footnote (b) below
		Restricted Elective		3		See Footnote (b) below
		XXXX 1575	Refer to DegreeWorks for Themes Courses(a)	3		See Footnote (a) below
		XXXX 15XX	Refer to DegreeWorks for Themes Courses(a)	3		MATH 1103
	Total:			15		

**Footnotes:**

(a) DegreeWorks will state which course(s) you still need to complete the requirement. Please follow DegreeWorks when registering for general education theme courses.

Course in *italics* can be taken as a pre or co requisite

Course in **bold** must be taken as a co requisite

\* = grade of C or better required in prerequisite course



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