

BSET Mechanical Engineering Technology Checksheet

Rev:

Catalog Date:

Last Name: _____

First Name: _____

Student ID: _____

Overall GPA:

Major GPA:

SEM & YR	Course #	Course Name	Hr	Grade	Pre/Co-Requisites
Freshman - Fall					
_____	ETGR 1201	Introduction to ET & CM ^(c)	2	_____	MATH 1100
_____	ETME 1111	CAD Modeling I ^(c)	3	_____	
_____	MATH 1103	Precalc Math for Sci. & Eng. ^(c)	3	_____	
_____	PHYS 1101	Introductory Physics I ^(c)	3	_____	MATH1103
_____	PHYS 1101L	Introductory Physics I Laboratory ^(c)	1	_____	PHYS 1101
_____	WRDS 1103	Writing & Inquiry in Academic Contexts I & II ^(c)	3	_____	
			Total	15	

Freshman - Spring					
_____	ETME 1112	CAD Modeling II ^(c)	3	_____	ETME 1111*
_____	MATH 1121	ET Calculus, ETGR 2171 or MATH 1241 ^(c)	3	_____	MATH 1103*
_____	PHYS 1102	Introductory Physics II ^(c)	3	_____	PHYS 1101*
_____	PHYS 1102L	Introductory Physics II Laboratory ^(c)	1	_____	PHYS 1101L or PHYS 2101L, <i>PHYS 1102</i>
_____	XXXX 1512	Refer to DegreeWorks for Local Arts and Humanities course ^(a)	3	_____	See Footnote (a) below
_____	CTCM 2530	Critical Thinking and Communication	3	_____	
			Total	16	

Sophomore - Fall					
_____	ETME 2100	Sophomore Design Practicum	2	_____	ETGR 1101*, ETME 1112*, ETME 2100L
_____	ETME 2100L	Sophomore Design Practicum Lab	1	_____	ETME 2100
_____	ETME 2141	Applied Engineering Materials	3	_____	ETGR 1201*
_____	ETGR 2101	Applied Mechanics I ^(c)	3	_____	MATH 1103
_____	CHEM 1251	General Chemistry I	3	_____	MATH 1100* or CHEM 1200*
_____	STAT 1220	Elements of Statistics I	3	_____	MATH1100
			Total	15	

Sophomore - Spring					
_____	ETGR 2106	Electronic Circuits and Devices	3	_____	MATH1103
_____	ETME 2102	Mechanisms	3	_____	ETME 1111*, MATH1121*, PHYS 1101*
_____	ETME 2142	Applied Manufacturing	3	_____	ETGR 1201*
_____	ETGR 2272	Engineering Analysis II or MATH 1242 ^(c)	3	_____	MATH 1121* or MATH 1241*
_____	XXXX 1511	Refer to DegreeWorks for Local Social Science course ^(a)	3	_____	See Footnote (a) below
			Total	15	

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

- Footnotes:**
- (a) DegreeWorks will state which course(s) you still need to complete the requirement. Please follow DegreeWorks when registering for general education theme course
 - (b) Major elective courses are chosen jointly by student and advisor from the course list approved by the Department as major electives. Other courses related to the student interests and career goals may be considered but all such requests to take alternative major elective courses must be approved in writing by the ETCM Department.
 - (c) These courses must be completed with a grade of C or better.
 - (d) Choose from either ETME 3123L (W) (WRDS 1103* OR WRDS 1104*, ETGR 1100L*, *ETME 3123*) or ETME 4250L (W) (WRDS 1103 OR WRDS 1104, *ETM ETME3100*, Senior Standing, completion of all lower division courses and any deficiencies, and approval by department. *ETME3113, ETME3213, ETME3250, ETME3150, and ETME3123L OR ETME4250L*

BSET Mechanical Engineering Technology Checksheet

Rev:

Last Name: 0 _____

First Name: 0 _____

Student ID: 0 _____

<u>& YR</u>	<u>Course #</u>	<u>Course Name</u>	<u>Hr</u>	<u>Grade</u>	<u>Pre/Co-Requisites</u>
Junior - Fall					
_____	ETME 3113	Dynamics	3	_____	ETGR 2101*, <i>ETGR 2272</i>
_____	ETME 3123	Strength of Materials	3	_____	ETGR 2101*
_____	ETME 3133	Fluid Mechanics	3	_____	ETGR 2101*, <i>MATH1121</i>
_____	ETGR 3171	Engineering Analysis III or ETGR 4272	3	_____	ETGR 2272* or MATH 1242* and STAT 1220*
_____	ETGR 3222	Engineering Economics	3	_____	
			Total	15	

Junior - Spring					
_____	Lab Elective		1	_____	See Footnote (d) below
_____	ETME 3100	Junior Design Practicum	3	_____	ETME 2100, <i>ETME 3133</i> , ETME 3100L
_____	ETME 3100L	Junior Design Practicum Lab	1	_____	ETME 3100
_____	ETME 3250	Principles of Thermal Engineering	3	_____	ETME 3133, <i>ETGR 2272</i> *
_____	ETME 3150	Applied CAD Modeling and Simulation	3	_____	ETME 1111*, ETME 2102, ETME 3123
_____	ETME 3213	Machine Design I	3	_____	ETME 2102, ETME 3123
			Total	14	

Senior - Fall					
_____	ETGR 4100	Capstone Design Project I	2	_____	See Footnote (e) below
_____	ETME 4250	Thermal Engineering Applications	3	_____	ETME 3250
_____	XXXX 1501	Refer to DegreeWorks for Global Social Science course ^(a)	3	_____	See Footnote (a) below
_____	Major Elective		3	_____	See Footnote (b) below
_____	Major Elective		3	_____	See Footnote (b) below
			Total	14	

Senior - Spring					
_____	ETGR 3295	Multidisciplinary Professional Development	1	_____	Junior or Senior standing
_____	ETGR 4200	Capstone Design Project II	2	_____	ETGR 4100
_____	ELET 2241	Instrumentation and Controls	3	_____	ELET2112 or ETGR 2106, ELET2241L
_____	ELET 2241L	Instrumentation Lab	1	_____	ELET 2241
_____	XXXX 1512	Refer to DegreeWorks for Global Arts and Humanities course ^(a)	3	_____	See Footnote (a) below
_____	Major Elective		3	_____	See Footnote (b) below
_____	Major Elective		3	_____	See Footnote (b) below
			Total	16	

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

- Footnotes:**
- (a) DegreeWorks will state which course(s) you still need to complete the requirement. Please follow DegreeWorks when registering for general education theme course
 - (b) Major elective courses are chosen jointly by student and advisor from the course list approved by the Department as major electives. Other courses related to the student interests and career goals may be considered but all such requests to take alternative major elective courses must be approved in writing by the ETCM Department.
 - (c) These courses must be completed with a grade of C or better.
 - (d) Choose from either ETME 3123L (W) (WRDS 1103* OR WRDS 1104*, ETGR 1100L*, *ETME 3123*) or ETME 4250L (W) (WRDS 1103 OR WRDS 1104, *ETME 3100*, Senior Standing, completion of all lower division courses and any deficiencies, and approval by department. *ETME3113, ETME3213, ETME3250, ETME3150, and ETME3123L OR ETME4250L*
 - (e) ETME3100, Senior Standing, completion of all lower division courses and any deficiencies, and approval by department. *ETME3113, ETME3213, ETME3250, ETME3150, and ETME3123L OR ETME4250L*

Original
2023-2024

Comments

es.
ident's professional

IE 3250)
GR3222,

Original

Comments

es.
ident's professional

IE 3250)
GR3222,

