MECHANICAL

(Recommended Sequence)

Recommended for students with HS algebra and geometry and ACT of 21

Freshman

Fall				Spring			
ENGL	101	English Composition	3	MATH	122	Plane Trigonometry (PR MATH 113)	3
MATH	113	College Algebra	3	CHEM	215	General Chemistry (PR MATH 113)	3
MECET	121	Engineering Graphics I	3	CHEM	216	General Chemistry Lab	2
MFGET	263	Manufacturing Methods I	2	MECET	226	Computer Aided Design (PR MECET 121)	3
MFGET	268	Manufacturing Methods I Lab	1	PSYCH	155	General Psychology (WL)	3
SOC	100	Introduction to Sociology or other SS	3				
		Total	**15**			**Total**	**17**

ETECH 296 Materials in Industry (WL) 3

Sophomore

BIOL	113	Environmental Life Science	4	PHYS	104	Engr Physics I (PR MATH 113)	4
HPER	150	Lifetime Fitness Concepts or other	1	PHYS	130	Elem Physics Lab I	1
MATH	150	Calculus I (PR MATH 113, 122)	5	MATH	155	Calculus II (PR MATH 150)	5
ECON	200	Microeconomics or other P and C	3	CSIS	240	C Programming or 230 (PR MATH 113)	3
COMM	207	Speech Communications	3	ENGL	299	Intr Research Writing (PR ENGL 101, WL)	3
		Total	**16**			**Total**	**16**

Junior

PHYS	105	Engr Physics II (PR PHYS 104, 130)	4	MECET	323	Adv Eng. Graphics (S) (PR MECET 226)	3
PHYS	131	Elem Physics Lab II	1	MECET	420	Kinematics (S) (PR ETECH 121, 220)	2
MECET	220	Statics (PR Physics I, MATH 150)	3	MECET	423	Mechanics of Matls (PR MECET 220)	3
ENGL	301	Tech/Prof Writing (PR ENGL 299)	3	MECET	424	Mechanics of Matls Lab	1
****	***	Emphasis Course	3	MECET	524	Fluid Mech I (PR PHYS 104, 130)	3
ETECH	502	Engineering Economy	3	MECET	525	Fluid Mechanics Lab	1
		Total	**17**	****	***	Emphasis Course	3
						Total	**16**

Senior

EET	340	Intro to Indus Automation (PR Physics II)	3	MFGET	669	Mfg & Design Project II (S) (PR MFGET 666)	2
PHYS	514	Appl'd Thermodyn (F) (PR Physics II)	3	****	***	Emphasis Course	3
MECET	523	Mech Design I (F) (PR MECET 423)	3	****	***	Emphasis Course	3
MFGET	666	Mfg & Des Prjt I (F) (PR MECET 423)	1	****	***	Approved Technical Electives	4
****	***	Emphasis Course	3	PHIL	105	Ethics or other PS, FA and AS, HH	3
****	***	Approved Tech Electives	3			**Total**	**15**
		Total	**16**				

(F) = Fall only (S) = Spring only

Emphasis Courses

Junior

Fall		Spring	
Design	MECET 528 Computer Modeling (F) (PR MECET 226)		
or		or	
Mfg	MFGET 363 Princ of Tool Design (F) (PR MECET 226, MFGET 263)	**Design**	**** *** Approved Tech Electives
or		or	
Elec	EET 141 Introductory Electronics	**Mfg**	MFGET 267 Manufacturing Methods II (S) (PR MFGET 263)
		or	
		Elec	**** *** Approved Tech Electives

Senior

Design	PHYS 522 Eng. Mech II – Dynamics (F) (PR MECET 220)	**Design**	MECET 623 Mech Design II (S) and (PR MECET 523)
or			MECET 682 Heat Trans (S) (PR MECET 524)
Mfg	**** *** Approved Tech Electives	or	
or		**Mfg**	MFGET 569 Casting Design and Sim. (S) and
Elec	EET 448 Network Systems (F) (PR EET 141)		MFGET 661 CAM (PR MFGET 267)
		or	
		Elec	EET 546 Elec Controls (S) (PR EET 141) and
			EET 649 Advanced PLC (S) (PR EET 340)

Apr 07

Note: When a student attains 85 semester hours of credit (including current enrollment) the student must apply for a degree check from the Degree Checking Office.

Minimum General Requirements: The minimum requirements for graduation include 124 semester hours of which 60 hours must be from a four-year university. In addition, 45 semester hours must be upper division and 30 hours in residence at Pittsburg State University (including 24 of the last 30). Minimum GPA are 2.0 overall, 2.0 in the major, 2.0 in the minor, and 2.0 in the resident courses at PSU. Specific General Education requirements for all Baccalaureate Degrees are listed in the university catalog. The General Education requirements for Engineering Technology students are approved as per page 212 of the catalog.

Chairperson _____ Dean _____ Registrar _____