B.S. in ENGINEERING: MECHANICAL ENGINEERING

	Name	West Chester 3+2		ID#			
Fall	1 - 17-18 cr		(Prerequisite)	Cr	Sem.	Grade	TR Equiv.
	FYS-100	Pathways Seminar (Not required for transfer students)		1_		waived	
	WRIT-101	Writing Seminar I: Written Communic	ation	3	_	TR	WRIT120,220
	MATH-111	Calculus I		4		TR	MAT161
	CHEM-103/103L	Chemistry I w/ Lab		_		TR	CHE103,CRL103
	ENGR-101	Introduction to Engineering		3		TR	PHY115
	ENGR-104	Introduction to Computing		3_		TR	CSC141
Spring 1 - 17 cr			(Prerequisite)	Cr	Sem.	Grade	TR Equiv.
	DBTU-114	Debating U.S. Issues		3	-	TR	HIS100,150
	MATH-112	Calculus II	(MATH-111)	4	•	TR	MAT162
	PHYS-201/201L	Physics I w/ Lab	(pre-or co-requisite MATH-112)	4		TR	PHY170
	ENGR-102	Engineering Drawing	(MATH-102 or MATH-111)	3		TR	PHY116
	DECGEN200	Innovation Essentials		3	□ ⊹		
Fall	2 - 17 cr		(Prerequisite)	Cr	Sem.	Grade	TR Equiv.
	ADIV-2()	American Diversity	(WRIT-101, DBTU-114)	3	•	TR	PSC100,PSC343
	PHYS-203/203L	Physics II w/ Lab	(PHYS-201/201L)	4	-	TR	PHY180
	MATH-213	Calculus III	(MATH-112)	4	•	TR	MAT261
	ENGR-215	Engineering Statics (PHYS-201/20	1L; pre- or co-requisite MATH-2:	3		TR	PHY260
	Elective	(DECGEN200 agreement)		3	•	TR	3 cr "other"
	_						
Spri	ng 2 - 16 cr		(Prerequisite)	Cr	Sem.	Grade	TR Equiv.
	WRIT-202	Writing Seminar II: Multi-media Comm WRIT 202 is for transfer students (4 cr)	unication (WRIT-101,	4 _			
	MATH-225	Differential Equations	(MATH-213)	3	•	TR	MAT343
	ENGR-218	Engineering Dynamics (ENGR-215)	pre or co-requisite MATH-225)	3		TR	PHY300
	ENGR 301	Mechanics of Materials	(ENGR-215)	3			
	DECSYS-20()	Systems: (Select one DECSYS)		3	□ ⊹		
Fall	3 - 15 cr		(Prerequisite)	Cr	Sem.	Grade	TR Equiv.
	GDIV/GCIT-2()	Global Diversityor Global Citizer (Includes World Language at any level)	nship (wr.п-101, dвти-11	3_		TR	FRE101,EC0111
	ENGR-311	Fluid Mechanics	(ENGR-218, PHYS203/203L)	3_			
	ENGR-305	Engineering Statistics I	(MATH 112)	3_			
	ENGR-322	Fund. of Electrical Engineering I	(PHYS-203/203L)	-	<u> </u>	TR	PHY330
	MENGR 407	Thermodynamics and Heat Transfer	PHYS-201/201L, MATH-112)	3_		TR	PHY350
C	n et 2 4.0			C-	Com	Grada	TD Earth
SDI	ng 3 - 16 cr	Debating Clobal leaves	(Prerequisite)	Cr	Sem.	Grade	TR Equiv.
	DBTG-300		WRIT-2XX; GDIV-2XX or GCIT-2XX		_	TR	WRT200,204,206
	ENGR-314	Numerical Methods for Engineers	(MATH-225, ENGR-104)	-	<u> </u>		
	ENGR-308 ENGR-210	Integrated Engr Product Dev (MAI Introduction to Materials Science	TH-112, ENGR-104, ENGR-102	_			
	MENGR-301	Machine Design	WATH-111, CHEM-103/103L)	3_		-	
	ENGR-399M	Junior MENGR Semr (pre/co-requisite ENGR	(ENGR-215)	3_			
	LINGIN-399IVI	JUINOT IVIENAL SCITTI (pre/co-requisite ENGR	SII, MENGROUI, MENGR407	1_			

Fall 4 -15 cr		(Prerequisite)	Cr	Sem.	Grade	TR Equiv.				
ETHIC-2()	Ethics	(WRIT-101, DBTU-114)	3		TR	PHI180				
** ENGR-498	Senior Design Project I	(ENGR311, MENGR301, MENGR40	3							
ENGR-302	Design for Manufacturability	(ENGR-102)	3							
MENGR-427	System Dynamics and Control	(ENGR-311, ENGR-218)	3_							
DECMTHD-300	ISEM: Ethno Research Methods	(WRIT-2XX; GDN-2XX or GCT-2XX)	3_	□ +						
Spring 4 - 15 cr		(Prerequisite)	Cr	Sem.	Grade	TR Equiv.				
HALLMK-499	Capstone Folio Workshop		3							
(ETHIC-2XX	, ADN-2XX, GCIT-2XX or GDN-2XX, DBTG-300, D	ECMTHD300, Sci Undstg, MATH111)								
ENGR-303	Engineering Economics	(ENGR-305)	3	□ +						
MENGR-405	Introduction to Mechatronics	(ENGR-322)	3	□ ⊹						
** ENGR-499	Senior Design Project II	(ENGR399M, ENGR 498)	3	□ ⊹						
MENGR-428	Thermodynamics II	(MENGR-407)	3							
		TO	TAL C	DEDITO:	128 credi	te				
	_	101	IAL	MEDIIS.	120 0 6 6 0	ıs				
** Satisfies DEC capston	•									
	lio requirement									
Introductory and	Introductory and Fundamentals Courses: (MATH-099 does not count toward graduation requirements.									
*	However, WRTG-100 and ITXA-100 can only be used in a free elective capacity.									
*	Fundamentals of College Mathematics		3	П						
	Pre-calculus (Does not count toward degree		3							
						4				
Surplus credits not use	ed toward degree requirements									
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'	phia University residency requirement:									
•	Philadelphia University has a residency requirement of 60 credits for Day Division students. Students must take a									
minimum of 60 cred	minimum of 60 credits – 12 credits must be within the major core; 9 credits must be in Hallmark courses in									
This form should be used as a worksheet in conjunction with the catalog and the Hallmark "menu" of options. Please										
refer to the Philadelphia University catalog for questions regarding curriculum and academic policies.										
COURSE STATUS:	: ☑ = course to take next seme	ster ⊠ = course currently	bei	ngtaken	■= coui	rse completed				

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