AEP Aca	AEP Academic Worksheet January 202														January 2024		
Name:						Email:	Double Ma	jor/Dual Degree	2:				Honors:	Yes	No		
ID:						Affiliation Date:	Engineering Distribution (1 ENGRI and 2 ENGRD - 9 credit minimum)										
Advisor:						Note:	The two ENGRD crs (6-8 credits) must be selected from 2 different categories listed below: (list not inclusive-see Engr UG Handbook)										
Engineering Common Curriculum								Scientific Computing: ENGRD 2110, 2112, 3200, 2140 Mechanics: ENGRD 2020, AEP 3330									
MATH (Must be B- or better)								Materials Science: ENGRD 2610, 2620 Probability & Statistics: ENGRD 2700 or MATH 4710, ENGRD 3100									
Dept	Course #	Credits	Semester	Year	Grade	Notes	Electrical Sciences: ENGRD 2550, 2100, 2200, 2300, 2640 Thermodyn					namics & E	Energy Balances: ENGRE	2190, 2210			
Math	1910	4					Earth & Life Sci	Earth & Life Sciences: ENGRD 2250, 2510, 2600 Biology &				Chemistry:	Chem 3890, ENGRD 25	20, 2202, BIOMG	3300, 3310, 3330, or	r 3350	
Math	1920	4					Dept	Course #	Credits	Semester					lotes		
Math	2930	4					ENGRI		3								
Math	2940	4			<u> </u>		ENGRD		3								
PHYSICS	(Must be B- or bette	r)					ENGRD ^		4								
Phys	1112 or 1110 & 1116	4					Required Major Courses - 58 credit minimu >=C- or required										
Phys	2213 or 2217	4		<u></u>			AEP Major Courses - 40 credits NO COURSE SUBSTITUTIONS allowed unless stated below.										
Phys	2214 or 2210/2218	4					AEP	3200	4				Introductory Mathen	natical Physics			
CHEMISTRY							AEP	3330	4				Mechanics of Particle	s & Solid Bodie	S		
Chem	2090	4					AEP	3550	4				Intermediate Electro	magnetism			
COMPUTER	SCIENCE						AEP	3610	4				Introductory Quantu	m Mechanics (Phys 3316 will not be ac	ccepted as a substitute)	
CS	1110 / 1112	4					AEP	3630*	4				Electronic Circuits				
First-Year W	riting Seminar		(6 credit	minimun	1)		AEP	4200	4				Intermediate Mather	matical Physics			
FWS -		3					AEP	4230	4				Statistical Thermodyr	namics			
FWS -		3					Two of the fo	llowing 3 courses	are REQUI	RED: AEP 3	620,3560),4340. <mark>St</mark>	udents may take all 3 co	ourses w/3rd course	e counting as a majo	r-approved elective.	
Liberal Studies Distribution - Six courses-18 credit minimum; 2 courses must be >=2000 level)								AEP 3620 - Intermediate Quantum Mechanics / AEP 3560 - Intermediate Electrodynamics / AEP4340 - Continuum Physics									
THREE different Groups from approved LS Categories: Group 1 - CA,LA,LAD,ALC,SCD; Group 2 - HA,HST;							AEP		4								
Group 3 - KCM,E	TM; Group 4 - SBA,SS	C,GLC;	Group 5 - I	FL; Group	6 - CE (no	more than 2 crs in CE)	AEP		4			ļ					
Dept	Course #	Credits	Semester	Year	Grade	Group	PHYS	4410**	4			<u></u>	Advanced Experimen	ntal Physics			
		ļ	<u></u>	<u></u>			*ECE 2100 and	ECE 2300 can be sub	stituted for Al	EP 3630. Cour	nt ECE 210	00 as Adviso	or Approved Elective & E	ENGRD 2300 as A	EP 3630.		
		<u></u>		<u>.</u>	<u> </u>		**2 of 4 cr. of PHYS 4410 can be satisfied by AEP 3300/PHYS 3330 or ASTRO 4410 or PHYS 3310. Remaining 2 credits can be satisfied by taking PHYS 4400 for 2 credits.										
							If student chooses this option, remaining Major-approved electives must have enough credits for EP minimum of 58 credits										
							Major-approved Electives - 6 courses - 18 credit minimum (>=C- required)										
							- All Major-approved electives must be technical electives and taken for a letter grade - 9 credits must be outside of AEP / 5 of the 6 courses must be >=3000 level										
	<u> </u>	·(noonoono	n)		inaaaaaaaaa i i		- Only 3 - "Independent Study RESEARCH" courses may be taken as Major-approved electives. Must be taken during last 4 semester									ast 4 semesters.	
Engineering (Communications	(Can be	satisfied by a	nother requi	rement - see	Engineering Undergraduate Handbook)	- 1.0 credit	seminar courses o	annot be c	ounted as t	echnical	courses	// Project Team co	ourses must be	e petitioned: (ma	av not count)	
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Advisor Approved Electives - 2 œurses >=6 credits minimum																	
Dept	Course #	Credits	Semester	Year	Grade	Notes											
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		<u> </u>		<u> </u>								<u> </u>					
Physical Edu	ıcation																
PE							EP Honors P	rogram - 9 credits n	ninimum E	nter & mair	ntain Cur	n GPA >=	3.5 See Engineering	g Undergraduate Ha	andbook - EP Honors P	rogram	
PE	}			<u></u>	£		AEP	4910					Independent Study	for Honors (r	min cr 2.0)		
Swim Test		}					AEP	4910					Total credits (FA				
		ourse with a number of <1100 can be applied toward graduation requirements						4xxxx					>=4000 level Tecl				
	No more than 15 S/U op	etudant'e da	area requirements	ALE A ED 2220	is used to setisfu	hoth ENCE	DD 0 MID .		anta tha	minimum total numl	hav of avadita	required for the	daguagia 120 avadit				

AEP 3640 /ENGRC 3640 satisfies Engrc Comm & Major-Appr Elective