Requirement Area	Course	Course Title	Prerequisites	Units
Requirement Area	course	First Semester (FALL)	Frerequisites	Units
E	SCI 130	Connecting to STEM Majors		
A1	301 130			
	DUVC 105	Oral Communication		
LD Major/B1&B3	PHYS 135	Physics for Scientists and Engineers I		
LD Major/B4	MATH 130	Calculus I		4
C1		Art		:
			Total:	10
	1	Second Semester (SPRING)		
A2		Written Communication		
			MATH 130 and	
LD Major	PHYS 136	Physics for Scientists and Engineers II	PHYS 135	4
			MATH 130	
			with grade C-	
B4/LD Major	MATH 131	Calculus II	or better	:
C2		Humanities		
			Total:	13
	1	Third Semester (FALL)		
E		Lifelong Learning and Self-Development		:
A3	PHIL 100	Workshop in Critical Thinking		3
	BUNG 11		MATH 130 and	
LD Major	PHYS 137	Physics for Scientists and Engineers III	PHYS 136	4
			MATH 131	
I D Maior	MATH 230	Calculus III	with grade C- or better.	.
LD Major			or better.	
LD Major	CHEM 110	General Chemistry	-	3
Flective				.
Elective	-		Track	
			Total:	16
	1	Fourth Semester (SPRING)		-
			MATH 230,	
LD Major/Second Compostion	DUIVE 220	Dhuring Deservice	and PHYS 137	
Composition	PHYS 230	Physical Reasoning	or PHYS 126	3
LD Major	MATH 285	Introduction to Differential Equations		
B2/Sustainability	101ATT 205			
Overlay	ENSC 240	Environmental Biology		3
		Social Sciences/US Code		
D1/Code 1		Social Sciences of Code		-
D1/Code 1 Add'l C1 or C2*			Total:	3
			Total:	3
Add'l C1 or C2*		Fifth Semester (FALL)	Total:	15
				15
Add'l C1 or C2*		Fifth Semester (FALL)	MATH 230,	1
Add'l C1 or C2*	DHYS 220	Fifth Semester (FALL) Ethnic Studies	MATH 230, and PHYS 137	3
Add'l C1 or C2*	PHYS 330	Fifth Semester (FALL)	MATH 230, and PHYS 137 or PHYS 126	3
Add'l C1 or C2*	PHYS 330	Fifth Semester (FALL) Ethnic Studies	MATH 230, and PHYS 137 or PHYS 126 MATH 230,	3
Add'l C1 or C2* F UD Major		Fifth Semester (FALL) Ethnic Studies Analytical Mechanics	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137	3
Add'l C1 or C2* F UD Major	PHYS 330 PHYS 350	Fifth Semester (FALL) Ethnic Studies	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126	3
Add'l C1 or C2* F UD Major		Fifth Semester (FALL) Ethnic Studies Analytical Mechanics	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137	
Add'l C1 or C2*		Fifth Semester (FALL) Ethnic Studies Analytical Mechanics	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 230,	3 15 3 3
Add'l C1 or C2* F UD Major UD Major UD Major	PHYS 350 PHYS 380	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126	3 19 3 3 3 3 3
Add'l C1 or C2* F UD Major UD Major UD Major	PHYS 350	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 130	
Add'l C1 or C2*	PHYS 350 PHYS 380	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126	3
Add'l C1 or C2* F UD Major UD Major UD Major LD Major	PHYS 350 PHYS 380	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING)	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 130	
Add'l C1 or C2* F UD Major UD Major UD Major LD Major D2/Code 2	PHYS 350 PHYS 380	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 130	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 130	
Add'l C1 or C2* F UD Major UD Major UD Major LD Major D2/Code 2 UWR UD Major	PHYS 350 PHYS 380 MATH 215 PHYS	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 130 Total:	
Add'l C1 or C2* F UD Major UD Major UD Major LD Major D2/Code 2 UWR UD Major	PHYS 350 PHYS 380 MATH 215	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 130	
Add'l C1 or C2* F UD Major UD Major UD Major UD Major UD Major U2/Code 2 UWR U0 Major UD Major UD Major	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 127 or PHYS 127 or PHYS 127 or PHYS 127 MATH 130 Total: PHYS 350	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 130 Total:	
Add'l C1 or C2* F UD Major UD Major UD Major UD Major UD Major U2/Code 2 UWR U0 Major UD Major UD Major	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 127 or PHYS 127 or PHYS 127 or PHYS 127 MATH 130 Total: PHYS 350	
Add'l C1 or C2* F UD Major UD Major UD Major UD Major UD Major U2/Code 2 UWR U0 Major UD Major UD Major	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 127 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 350	
Add'l C1 or C2* F UD Major UD Major UD Major D2/Code 2 UWR UD Major UD Major UD Major UD Major UD Major UD Major	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 127 or PHYS 126 MATH 230, and PHYS 137 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 350	
Add'l C1 or C2* F UD Major UD Major UD Major D2/Code 2 UWR UD Major UD Major UD Major UD Major UD Major UD Major	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 137 or PHYS 137 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 350 PHYS 380 Total:	
Add'l C1 or C2* F UD Major UD Major UD Major D2/Code 2 UWR UD Major UD Major UD Major UD Major UD Major UD Major	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 127 or PHYS 127 or PHYS 127 or PHYS 127 MATH 130 Total: PHYS 350 PHYS 380 Total: MATH 230,	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 MATH 230, and PHYS 127 MATH 130, Total: PHYS 350 PHYS 350 PHYS 350 PHYS 380 Total:	
Add'l C1 or C2* F UD Major UD Major UD Major D2/Code 2 UWR UD Major	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351 PHYS 381	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 127 or PHYS 127 or PHYS 127 or PHYS 127 MATH 130 Total: PHYS 350 PHYS 380 Total: MATH 230,	
Add'l C1 or C2* F UD Major UD Major UD Major D2/Code 2 UWR UD Major	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351 PHYS 381	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 mATH 230, and PHYS 137 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 350 PHYS 380 Total: MATH 230, and PHYS 137 or PHYS 126	
Add'l C1 or C2* F UD Major UD Major UD Major UD Major UD Major U2/Code 2 UWR U0 Major UD Major UD Major	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351 PHYS 381	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 127 or PHYS 127 or PHYS 126 MATH 230, PHYS 37 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 380 Total: MATH 230, and PHYS 127 or PHYS 126 MATH 230,	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351 PHYS 381 PHYS 381	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods Seventh Semester (FALL) Statistical Mech. & Thermo.	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 MATH 230, and PHYS 127 Total: PHYS 350 PHYS 350 PHYS 350 PHYS 380 Total: MATH 230, and PHYS 137 or PHYS 137 and PHYS 137	
Add'l C1 or C2* F UD Major UD Major UD Major UD Major UD Major UU Major UU Major UD Major	PHYS 350 PHYS 380 MATH 215 PHYS PHYS 351 PHYS 381 PHYS 381	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods Seventh Semester (FALL) Statistical Mech. & Thermo. Electromagnetism I	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 MATH 230, and PHYS 127 Total: PHYS 350 PHYS 350 PHYS 350 PHYS 380 Total: MATH 230, and PHYS 137 or PHYS 137 and PHYS 137	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS 351 PHYS 351 PHYS 351 PHYS 381 PHYS 340 PHYS 450	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods Seventh Semester (FALL) Statistical Mech. & Thermo. Electromagnetism I Advanced Laboratory III: Modeling, Design,	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 or PHYS 127 or PHYS 127 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 350 PHYS 350 PHYS 350 Total: MATH 230, and PHYS 137 or PHYS 126	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS 351 PHYS 351 PHYS 351 PHYS 381 PHYS 340 PHYS 450	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods Seventh Semester (FALL) Statistical Mech. & Thermo. Electromagnetism I Advanced Laboratory III: Modeling, Design,	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 or PHYS 127 or PHYS 127 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 350 PHYS 350 PHYS 350 Total: MATH 230, and PHYS 137 or PHYS 126	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS 351 PHYS 351 PHYS 351 PHYS 381 PHYS 340 PHYS 450	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods Statistical Mech. & Thermo. Electromagnetism I Advanced Laboratory III: Modeling, Design, and Analysis	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 MATH 230, and PHYS 137 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 350 PHYS 350 PHYS 380 Total: MATH 230, and PHYS 137 or PHYS 137 or PHYS 137 or PHYS 137 or PHYS 137 or PHYS 137	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS 351 PHYS 351 PHYS 351 PHYS 381 PHYS 340 PHYS 450	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods Seventh Semester (FALL) Statistical Mech. & Thermo. Electromagnetism I Advanced Laboratory III: Modeling, Design,	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 MATH 230, and PHYS 137 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 350 PHYS 350 PHYS 380 Total: MATH 230, and PHYS 137 or PHYS 137 or PHYS 137 or PHYS 137 or PHYS 137 or PHYS 137	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS 351 PHYS 351 PHYS 381 PHYS 381 PHYS 340 PHYS 450 PHYS 480	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods Seventh Semester (FALL) Statistical Mech. & Thermo. Electromagnetism I Advanced Laboratory III: Modeling, Design, and Analysis Eighth Semester (SPRING)	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 MATH 230, and PHYS 127 or PHYS 127 Total: PHYS 350 PHYS 350 PHYS 350 PHYS 380 Total: MATH 230, and PHYS 137 or PHYS	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS 351 PHYS 351 PHYS 381 PHYS 381 PHYS 480 PHYS 480 PHYS 480	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods Seventh Semester (FALL) Statistical Mech. & Thermo. Electromagnetism I Advanced Laboratory III: Modeling, Design, and Analysis Eighth Semester (SPRING) Electromagnetism II	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 MATH 230, and PHYS 137 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 350 PHYS 350 PHYS 380 Total: MATH 230, and PHYS 137 or PHYS 350 PHYS 350 PH	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS 351 PHYS 351 PHYS 351 PHYS 381 PHYS 340 PHYS 440 PHYS 450 PHYS 450 PHYS 451 PHYS 481	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods Seventh Semester (FALL) Statistical Mech. & Thermo. Electromagnetism I Advanced Laboratory III: Modeling, Design, and Analysis Electromagnetism II Advanced Laboratory IV: Projects	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 MATH 230, and PHYS 127 or PHYS 127 Total: PHYS 350 PHYS 350 PHYS 350 PHYS 380 Total: MATH 230, and PHYS 137 or PHYS	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS 351 PHYS 351 PHYS 381 PHYS 381 PHYS 480 PHYS 480 PHYS 480	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods Seventh Semester (FALL) Statistical Mech. & Thermo. Electromagnetism I Advanced Laboratory III: Modeling, Design, and Analysis Eighth Semester (SPRING) Electromagnetism II	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 MATH 230, and PHYS 137 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 350 PHYS 350 PHYS 380 Total: MATH 230, and PHYS 137 or PHYS 350 PHYS 350 PH	
Add'l C1 or C2*	PHYS 350 PHYS 380 MATH 215 PHYS 351 PHYS 351 PHYS 351 PHYS 381 PHYS 340 PHYS 440 PHYS 450 PHYS 450 PHYS 451 PHYS 481	Fifth Semester (FALL) Ethnic Studies Analytical Mechanics Quantum Mechanics I Advanced Laboratory I: Electronics Introduction to Linear Algebra Sixth Semester (SPRING) Social Sciences/US Code Physics Elective Quantum Mechanics II Advanced Laboratory II: Experimental Methods Seventh Semester (FALL) Statistical Mech. & Thermo. Electromagnetism I Advanced Laboratory III: Modeling, Design, and Analysis Electromagnetism II Advanced Laboratory IV: Projects	MATH 230, and PHYS 137 or PHYS 126 MATH 230, and PHYS 137 or PHYS 127 MATH 230, and PHYS 137 or PHYS 126 MATH 130 Total: PHYS 350 PHYS 350 PHYS 350 PHYS 380 Total: MATH 230, and PHYS 137 or PHYS 350 PHYS 350 PH	

Note: No changes to, or from, the credit/no credit pattern are permitted after the Grade Type Change period. There are no exceptions to this rule. Courses in a student's major department, regardless of course prefix, may not be taken "CR/NC," unless that is the only grading pattern in the course.

	EB General Breadth and Graduation Requirement Checklist
Area A (9	9 units): Communication in the English Language & Critical Thinkin
	(Must earn passing grade of C-/CR or better)
	0MM 100 or 104, MLL 111
	IGL 101, 102, or 104
🗆 A3. PH	
	Area B (9 units) : Scientific Inquiry & Quantitative Reasoning
	isical Science
B2. Life	
	boratory Activity
	antitative Reasoning (Must earn passing grade of C-/CR or
better.) Area C (9	units): Arts & Humanities - Minimum of two different disciplines a
	designated by course prefix (e.g., ART, THEA, MUS)
🗆 C1. Art	ts
	manition
C2. Hu	onal Lower-division Area C Course in Arts (C1) or Humanities (C2)
	(6 units) : Social Sciences - Minimum of two different disciplines as
	designated by course prefix (e.g., ANTH, ECON, POSC)
🗆 D1.	
□ D2.	
	Area E (3 units) : Lifelong Learning and Self-Development
_	
🗆 E.	
	Area F (3 units): Ethnic Studies
🗆 F.	
Second (Composition : Requires completion of GE A2 with a C-/CR or better
	Must be completed before attaining junior standing.
□ Second	d Composition
	University Writing Requirement
UWR	
	ode (American Institutions Requirement) - Two courses (6 units)
	ig three U.S. Code Requirements of US-1 (U.S. History), US-2 (U.S.
	onstitution), and US-3 (California State & Local Government).
	// // // // // // // // // // // /
Code 1	
	1
Code 2	
Code 2	2. ision GE Requirements (9 units): Should be taken after completion
Code 2	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR)
Code 2 Upper Divi UD-B.	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning
Code 2 Upper Divi	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities
Code 2 Upper Divi	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning
Code 2 Upper Divi UD-B. UD-C.U UD-C.U	2. ision GE Requirements (9 units): Should be taken after completior A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences Requirements (9 units): Courses may be upper or lower division, an
Code 2 Upper Divi UD-B. UD-C.U UD-C.U	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences
Code 2 Upper Divi UD-B. UD-C.U UD-C.U	2. ision GE Requirements (9 units): Should be taken after completior A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences Requirements (9 units): Courses may be upper or lower division, an
Code 2 Upper Divi UD-B. UD-C.U UD-C.U Overlay R	2. ision GE Requirements (9 units): Should be taken after completior A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences Requirements (9 units): Courses may be upper or lower division, ar GE or major
Code 2 Upper Divi UD-B. UD-C.U UD-C.U	2. ision GE Requirements (9 units): Should be taken after completior A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences Requirements (9 units): Courses may be upper or lower division, ar GE or major
Code 2 Upper Divi UD-B. UD-C.(UD-C.(UD-D. Overlay R	2. ision GE Requirements (9 units): Should be taken after completior A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences Requirements (9 units): Courses may be upper or lower division, ar GE or major
Code 2 Upper Divi UD-B. UD-C.(UD-C.(UD-D. Overlay R Diversi	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences Requirements (9 units): Courses may be upper or lower division, ar GE or major ity (Div)
Code 2 Upper Divi UD-B. UD-C.(UD-C.(UD-D. Overlay R Divers Social	2. ision GE Requirements (9 units): Should be taken after completior A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences Requirements (9 units): Courses may be upper or lower division, an GE or major ity (Div) Justice (SJ)
Code 2 Upper Divi UD-B. UD-C.(UD-C.(UD-D. Overlay R Divers Social	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR) Upper-division Arts OR Humanities Upper-division Social Sciences Requirements (9 units): Courses may be upper or lower division, ar GE or major ity (Div) Justice (SJ) nability (S)
Code 2 Upper Divi UD-B. UD-C.L UD-D. Overlay R Diversi Social Sustain	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences tequirements (9 units): Courses may be upper or lower division, ar GE or major ity (Div) Justice (SI) nability (S) Elective Courses
Code 2 Upper Divi UD-B. UD-C.(UD-D. Overlay R Diversi Social Sustain Choose a r	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences Requirements (9 units): Courses may be upper or lower division, ar GE or major ity (Div) Justice (SJ) nability (S) Elective Courses minimum of 6 units from the following:
Code 2 Upper Divi UD-B. UD-C.l UD-C.l UD-D. Overlay R Diversi Social Sustain Choose a r PHYS 460	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences Requirements (9 units): Courses may be upper or lower division, ar GE or major ity (Div) Justice (SJ) nability (S) Elective Courses minimum of 6 units from the following: - Astrophysics Units: 3
Code 2 Upper Div UD-B. UD-C.(UD-B. UD-C.(UD-D. Overlay R Social Social Sustain Choose a r PHYS 460 PHYS 461	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR) Upper-division Arts OR Humanities Upper-division Social Sciences tequirements (9 units): Courses may be upper or lower division, ar GE or major ity (Div) Justice (SJ) nability (S) Elective Courses minimum of 6 units from the following: - Astrophysics Units: 3
Code 2 Upper Divi UD-B. UD-C.(UD-D. UD-D. Overlay R Social Sustain Choose ar PHYS 461 PHYS 462	2. ision GE Requirements (9 units): Should be taken after completion A1, A2, A3, and B4 with a C- (CR) Upper-division Science Inquiry and Quantitative Reasoning Upper-division Arts OR Humanities Upper-division Social Sciences Requirements (9 units): Courses may be upper or lower division, ar GE or major ity (Div) Justice (SJ) nability (S) Elective Courses minimum of 6 units from the following: - Astrophysics Units: 3

*Students are required to take a minimum of 40 semester units as upper division (includes 9 units upper division GE)