

Sample 4-year plan for 3+1
Major: Physics

	Fall	Spring	May Term/Summer
Year 1	PHYS 125 Matter in Motion (With Calculus)(4)	PHYS 235 Analytical Physics II: Electromagnetism, Waves and Optics (4)	EPIC Advantage this year or next (or potentially after Year 3 if in May only)
	MATH 180 Calculus A	MATH 280 Calculus B	
Year 2	PHYS 345: Modern Physics (4)	MATH 350	
	MATH 320	M/P 360 Mathematical Methods of Physics (3)	
		PHYS 350 Electronics and Instrumentation (3) (this year or next)	
		PHYS 375 Thermal and Statistical Physics (3) (this year or next)	
Year 3 + 14 Grad credits	PHYS480 Senior Seminar	PHYS 350 (this year or previous)	ED510 Foundations of Teaching (3)
	PHYS 425 or PHYS 435 (E&M)	PHYS 375 Thermal (this year or previous)	ED520 Adolescent Development (3)
		PHYS 355: Advanced Physics Laboratory (3)	ED530 Literacy (3)
		PHYS488 Senior Capstone Experience	Ed560 Practicum I (2)
			Ed590 Teacher as Researcher I (3)
Year 4 28 Grad Credits	ED522 Learning Theories (4)	ED562 Practicum III (10)	
	ED531 Curriculum, Instruction, and Assessment (3)	ED581 The Professional Educator II (1)	
	ED540-544 Current Practices in Content Areas (1)	ED592 Teacher as Researcher III (2)	

	ED561 Practicum II (3)		
	ED580 The Professional Educator I (2)		
	ED591 Teacher as Researcher II (2)		

	Fall	Spring	May Term/Summer
Year 1 35 Credits	PHYS 125 Matter in Motion (With Calculus) (4) (A-AR, A-QR)	PHYS 235 Analytical Physics II: Electromagnetism, Waves and Optics (4)	ART246 Weaving Workshop (4)
	MATH 180 Calculus A (5)	MATH 280 Calculus B (5)	
	ARBC101 Basic Arabic I (5)	ARBC102 Basic Arabic II (5)	
	ANCS130 Damn the Gods (3)		
		AWPE106 Introduction to Rhythm and Spin	
Year 2 34 Credits	PHYS345 Modern Physics (4)	MATH350 Multivariate Calculus (4)	ART201 Ceramics Workshop (4)
	MATH320 Differential Equations (3)	M/P 360 Mathematical Methods of Physics (3)	
	ANCS222 Greece and Rome in Film (4)	PHYS 350 Electronics and Instrumentation (3)	
	HIST121 Introduction to U.S. History to 1865 (3) (D-D)	EDUC120 Foundations of Education (3) (D-D)	
	MGMT141 World of Business (3)		
	AWPE110 Bowling -- Beginning		
Year 3 33 Credits + 14 Grad credits	PHYS480 Senior Seminar (3)	PHYS 375 Thermal and Statistical Physics (3)	EPIC Advantage
	PHYS425 Classical Mechanics (3)	PHYS 355: Advanced Physics Laboratory (3) (RCH) (WI)	ED510 Foundations of Teaching (3)
	PSYC245 Research Methods and Statistics (3)	PHYS488 Senior Capstone Experience (0)	ED520 Adolescent Development (3)
	PSYC116 Behavior, Health Care, and Society (4)	PAGS170 Introduction to Diplomacy (3) (D-I)	ED530 Literacy (3)
	AWPE329 Lifetime Wellness (3) (2W)	PSYC210 Social Psychology (3)	Ed560 Practicum I (2)
	THEA132 Applied Theatre: Set	ENG207 Literature and Film (4)	Ed590 Teacher as Researcher I (3)

	Construction (1)		
Year 4 28 Grad Credits	ED522 Learning Theories (4)	ED562 Practicum III (10)	
	ED531 Curriculum, Instruction, and Assessment (3)	ED581 The Professional Educator II (1)	
	ED540-544 Current Practices in Content Areas (1)	ED592 Teacher as Researcher III (2)	
	ED561 Practicum II (3)		
	ED580 The Professional Educator I (2)		
	ED591 Teacher as Researcher II (2)		

General Education requirements checklist:

ESem I

ESem II

6 credit hours in Humanities (not language requirement)

6 credit hours in Natural Sciences

6 credit hours in Social Sciences

6 credit hours in Visual and Performing Arts

3 credit hours in abstract or quantitative analytical reasoning

3 credit hours in Diversity – Domestic

3 credit hours in Diversity – International

10 credit hours in a language or test out

4 Wellness courses or a varsity sport and 2 wellness courses or two varsity sports

Writing Intensive within the major

Immersive experience

Research

36 Upper levels 29 UG 7 from MAT

120 total credits 102 from UG and 18 from MAT