

Requirements for Major						
Course Prefix	Course Number	Major Requirements (<i>Pre-Requisite</i>)	Liberal Studies or Foundation	Req. Hours	Semester Taught	Earned Hours
Biol	110	General Biology	X	4	Fall/Spring	
Chem	120 or 123	Concepts in Chemistry (Liberal Studies) or General Chemistry I	x	4	Fall/Spring or Fall	
Math	145	Calculus 1	X	4	Fall	
Math	245	Calculus 2		4	Spring	
Math	246	Calculus 3		4	Fall	
Phys	121	Physics of Fun	X	3	Fall	
Phys	133	Astronomy		4	Even Spring	
Phys	165	Introduction to Data Science		3	Odd Fall	
Phys	221	General Physics I	X	5	Fall	
Phys	222	General Physics II		5	Spring	
Phys	227	Modern Physics		3	Fall	
Phys	250	Physics Seminar (Take 3x at 1 credit each)		3	Spring	
Phys	260	Circuit Analysis & Electronics		3	Odd Spring	
Phys	321	Classical Mechanics		3	Odd Spring	
Phys	323	Optics		3	Odd Fall	
Phys	325	Thermodynamics		3	Even Fall	
Phys	335	Electromagnetic Theory		3	Odd Spring	
Phys	340	Advanced Physics Laboratory I		2	Fall	
Phys	410	Toolkits for Teaching Assistants		1	Even Fall	
Phys	440	Advanced Physics Laboratory II		2	Fall	
Total Major Hours:				66		

Additional Foundational and Liberal Studies Courses						
Course Prefix	Course Number	Major Requirements (<i>Pre-Requisite</i>)	Liberal Studies or Foundation	Req. Hours	Semester Taught	Earned Hours
Intd	105	Wesleyan Experience	x	2	Fall	

Intd	115	Wesleyan Heritage	x	1	Fall/Spring	
		Natural World Stewardship course- if student did not take Chem 120	x		Fall/Spring	
Total Major Hours:				3+		

Additional Requirements for Secondary Education Minor and Teacher Education

Course Prefix	Course Number	Major Requirements (<i>Pre-Requisite</i>)	Liberal Studies or Foundation	Req. Hours	Semester Taught	Earned Hours
Engl	120	Introductory English Composition	x	3	Fall/Spring	
Engl	121	Intermediate English Composition	x	3	Fall/Spring	
Sctb	130	Public Speaking: The Art of Oral Communication	x	3	Fall/Spring	
Hist	105 or 106 or 220 or 221	World Civilizations I or World Civilizations II or American History II (Liberal Studies) or American History II (Liberal Studies)	x	3	Fall or Spring or Fall or Spring	
Soci or Psys	131 or 101	The Sociological Imagination (Liberal Studies) or Introductory to Psychology: The World of You (Liberal Studies)	X	3	Odd Fall/Spring or Fall/Spring	
Soci	250 or 240	Racial & Ethnic Minorities or Social Inequality		3	Fall or Spring	
Educ	244	Developmental Psychology	x	3	Fall/Spring	
SPES	120	Personal, Community, and Global Health	x	3	Fall/Spring	
Educ	100	Orientation to Education		1	Fall/Spring	
Educ	208	Foundations & History of American Education		3	Fall/Spring	
Educ	210	Instructional Technology		2	Fall/Spring	
Educ	250	Education of the Exceptional Individual		3	Spring	
Educ	380	Classroom Management		3	Spring	
Educ	415	Educational Psychology		3	Spring	
Educ	438	Clinical Practice Seminar		2	Fall/Spring	
Educ	470	Clinical Practice		10	Fall/Spring	
Educ	385	Reading in the Content Area		2	Fall	
Educ	388	Methods of Teaching in the Secondary School		3	Fall	
Ed	406	Methods for Teaching Natural Science in the Secondary School		3	Spring	

Total Major Hours:	59	
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DEGREE REQUIREMENTS			
BACHELOR OF ARTS:			
Additional Foundational and Liberal Studies Courses:	3		
Physics Education Major	66		
Secondary Education Requirements	59		
TOTAL GRADUATION HOURS:	128		

Recommended Liberal Studies and Foundation Courses

Personal Awareness			Human Expression		
Prefix and Number	Course Title	Division	Prefix and Number	Course Title	Division
Soci 131 or Psyc 101	The Sociological Imagination or Introductory to Psychology: The World of You	Social Sciences	Phys 121	Physics of Fun	Science
Educ 244	Developmental Psychology	Social Sciences	SctH 130	Public Speaking: The Art of Oral Communication	Fine Arts

Community and World Exploration			Natural World Stewardship		
Prefix and Number	Course Title	Division	Prefix and Number	Course Title	Division
Hist 220 or 221	American History I or American History II	Humanities	Biol 110	General Biology	Science
Spes 120	Personal, Community, and Global Health	Nursing/ Health Sciences	Chem 120	Concepts of Chemistry	Science

Foundation Courses		
Prefix and Number	Course Title	
Math 145	Calculus 1	
Engl 120	Introductory English Composition	
Engl 121	Intermediate English Composition	
Intd 105	Wesleyan Experience	
Intd 115	Wesleyan Heritage	

SUGGESTED SEQUENCE for Even Year First Fall Semester

Major: Physics Education

FALL OF YEAR ONE			SPRING OF YEAR ONE		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
Math 145	Calculus I	4	Math 245	Calculus II	4
Phys 221	General Physics I	5	Phys 221	General Physics II	5
Intd 105	Wesleyan Experience	2	Phys 250	Physics Seminar	1
Engl 120	Introductory English Composition	3	Engl 121	Intermediate English Composition	3
Spes 120	Personal, Community, and Global Health	3	Educ 100	Orientation to Education	1
			Educ 244	Developmental Psychology	3
	Total	17		Total	17

FALL OF YEAR TWO			Apply for Teacher Ed Program	SPRING OF YEAR TWO		
Prefix and Number	Course Title	Credit Hours		Prefix and Number	Course Title	Credit Hours
Phys 227	Modern Physics	3	Phys 250	Physics Seminar	1	
Math 246	Calculus III	4	Phys 133	Astronomy	4	
Phys 340	Advanced Physics Laboratory I	2	Educ 380	Classroom Management	3	
Phys 165	Introduction to Data Science	3	Educ 250	Education of the Exceptional Individual	3	
Educ 208	Foundations & History of American Education	3	Chem 120	Concepts in Chemistry	4	
			Hist 221	American History II	3	
	Total	15		Total	18	

FALL OF YEAR THREE			SPRING OF YEAR THREE		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
Phys 440	Advanced Physics Laboratory II	2	Phys 250	Physics Seminar	1
Phys 410	Toolkits for Teaching Assistants	1	Phys 260	Circuit Analysis & Electronics	3
Phys 325	Thermodynamics	3	Phys 321	Classical Mechanics	3
Scth 130	Public Speaking: The Art of Oral Communication	3	Phys 335	Electromagnetic Theory	3
Educ 388	Methods of Teaching in the Secondary School	3	Ed 406	Methods for Teaching Natural Science in the Secondary School	3
Soci 250	Racial & Ethnic Minorities	3	Educ 415	Educational Psychology	3
Intd 115	Wesleyan Heritage	1			
	Total	16		Total	16

FALL OF YEAR FOUR			SPRING OF YEAR FOUR		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
Phys 323	Optics	3	Educ 438	Clinical Practice Seminar	2
Educ 210	Instructional Technology	2	Educ 470	Clinical Practice	10
Educ 385	Reading in the Content Area	2			
Biol 110	General Biology	4			
Soci 131 or Psyc 101	The Sociological Imagination or Introductory to Psychology: The World of You	3			
Phys 121	Physics of Fun	3			
	Total	17		Total	12

SUGGESTED SEQUENCE for Odd Year First Fall Semester**Major: Physics Education**

FALL OF YEAR ONE			SPRING OF YEAR ONE		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
Math 145	Calculus I	4	Phys 250	Physics Seminar	1
Phys 221	General Physics I	5	Math 245	Calculus II	4
Intd 105	Wesleyan Experience	2	Phys 221	General Physics II	5
Engl 120	Introductory English Composition	3	Educ 100	Orientation to Education	1
Phys 165	Introduction to Data Science	3	Engl 121	Intermediate English Composition	3
			Educ 244	Developmental Psychology	3
	Total	17		Total	17

FALL OF YEAR TWO			Apply for Teacher Ed Program	SPRING OF YEAR TWO		
Prefix and Number	Course Title	Credit Hours		Prefix and Number	Course Title	Credit Hours
Phys 227	Modern Physics	3	Phys 250	Physics Seminar	1	
Math 246	Calculus III	4	Phys 260	Circuit Analysis & Electronics	3	
Phys 340	Advanced Physics Laboratory I	2	Phys 321	Classical Mechanics	3	
Educ 208	Foundations & History of American Education	3	Phys 335	Electromagnetic Theory	3	
Intd 115	Wesleyan Heritage	1	Educ 250	Education of the Exceptional Individual	3	
Soci 250	Racial & Ethnic Minorities	3	Educ 210	Instructional Technology	2	
		16		Total	15	

FALL OF YEAR THREE			SPRING OF YEAR THREE		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
Phys 323	Optics	3	Phys 250	Physics Seminar	1
Phys 440	Advanced Physics Laboratory II	2	Phys 133	Astronomy	4
Scth 130	Public Speaking: The Art of Oral Communication	3	Ed 406	Methods for Teaching Natural Science in the Secondary School	3
Soci 131 or Psyc 101	The Sociological Imagination or Introductory to Psychology: The World of You	3	Educ 415	Educational Psychology	3
Educ 388	Methods of Teaching in the Secondary School	3	Educ 380	Classroom Management	3
Phys 121	Physics of Fun	3	Chem 120	Concepts in Chemistry	4
	Total	17		Total	18

FALL OF YEAR FOUR			SPRING OF YEAR FOUR		
Prefix and Number	Course Title	Credit Hours	Prefix and Number	Course Title	Credit Hours
Phys 410	Toolkits for Teaching Assistants	1	Educ 438	Clinical Practice Seminar	2
Phys 325	Thermodynamics	3	Educ 470	Clinical Practice	10
Educ 385	Reading in the Content Area	2			
Biol 110	General Biology	4			
Hist 220	American History I	3			
Spes 120	Personal, Community, and Global Health	3			
	Total	16		Total	12