

2023-2024 Physics Teaching Licensure, 6-12

NOTE: It is *YOUR* responsibility as a student to consult the appropriate catalog and your academic adviser

Prefix	Hrs	Class Name	Year	Notes
38		General Education		36 General Education credits + 2 cr HLED 173, + 0-6 credits foreign language
BUAD 128	3	Personal Finance [IN-9]	Fr/So	ECON 213 may substitute
COMM 135	3	Comm. & Public Speaking [IN-3]	Fr/So	Need 40 total upper division (UD) credit hours, 18 that are within major 3 Writing (W) classes must be taken: 1 from within major, 1 from outside major, and 1 from any area
CPT 100	1	Computer Concepts [IN-5]	Fr/So	
ENGL 101	3	Critical Think in Ac Rdg & Wrtg I [IN-2]	Fr/So	
ENGL 102	3	Critical Think in Ac Rdg & Wrtg II [IN-2]	Fr/So	
HLED 173	2	Health for Life [SDA Certification]	Fr/So	Min C- required
HIST	3	Historical Perspectives [IN-6]		
MATH 215	3	Statistics [IN-4]		
NOND 101	1	Southern Connections [IN-1]	Fr	Take first semester
PEAC 125	1	Fitness for Collegiate Life [P-1-a]	Fr	Required for all students. Must take even if transfer student.
PEAC/RECR/ADAC	2	Physical Activity courses [P-1-b]		Choose from ADAC, PEAC or RECR
PEAC 425	1	Fit for Hire [P-1-c]	Sr	
✓ PSYC 128	0	Developmental Psychology [IN-8][SDA]	Fr	Met in professional ed
REL 125	3	Life and Teachings of Jesus [R-1] [SDA]	Fr/So	Min C- required in all REL
RELT	6	SDA Identity [R-2][SDA]	Fr/So	RELT 138 and RELT 255
✓ RELT 317	0	Biblical Studies [R-3] or [R-4][SDA]		May be met as an option for a cognate
	3	Asthetic Analysis [IN-10]		
✓	0	Natural Science [IN-7]		Met in major
^ LANGUAGE	0-6	Elementary Foreign Language	Fr/So	Two years of high school foreign language will meet requirement
Three Level 1 activities and two Level 2 [SERV-2] experiences must be completed to fulfill the Christian Service Program General Education requirements				
36		Professional Education		Min GPA of 2.75 Required in major, professional ed, and cumulative areas
EDUC 138	3	Intro to and Fnd of Secondary Ed	Fr	
EDUC 201	0	Teacher Education Candidacy	So	Prereq: EDUC 129 or 138, ENGL 101 and 102 with min. grade of C
EDUC 253	1	Responsive Teaching	Jr	
EDUC 317	2	Teaching with Technology	Jr	Prereq: EDUC 129 or 138
EDUC 342	2	Curriculum & Content Mthds - Secondary	Sr	Prereq: EDUC 201
EDUC 345	2	Learning Theory & Classroom Mngt		Only offered Fall. Prereq: EDUC 201.
EDUC 346	2	Field Experience in Secondary Education	Jr	Only offered Fall. Prereq: EDUC 201. Coreq: EDUC 298,434
EDUC 347	2	Assessment and Differentiation	Jr	Prereq: EDUC 201
EDUC 348	2	Secondary Instructional Methods	Sr	Only offered Fall. Prereq: EDUC 201. Coreq: EDUC 346,347,298
EDUC 419	3	Phil & Ldrshp in Christian Ed (W) (SERV-2)	Jr	Prereq: EDUC 201
EDUC 434	2	Reading & Writing in Content Areas	Jr	Only offered Winter. Prereq: EDUC 201
EDUC 464	2	Teaching Seminar	Sr	Must be admitted to Student Teaching
EDUC 472	10	Enhanced Student Teaching - Secondary (St	Sr	Coreq: EDUC 464
PSYC 128	3	Developmental Psychology [IN-8][SDA]	Fr	
56-57 Physics, Teaching Licensure 6-12				
BIOL 103	3	Principles of Biology (IN-7)		
ERSC 105	3	Earth Science (IN-7)		
MATH 191	4	Calculus I		Minimum ACT math subscore of 24 or Complete MATH 120 or MATH 121
MATH 192	4	Calculus II		Prereq: MATH 191
MATH 218	4	Calculus III		Prereq: MATH 192
MATH 315	3	Differential Equations		Only offered Winter. Prereq: MATH 192
PHYS 155	3	Descriptive Astronomy: Creation and Cosmology (II		Only offered Fall
PHYS 221	4	Physics for Scientists & Engineers I		Only offered Fall. Prereqs: MATH 191
PHYS 222	4	Physics for Scientists & Engineers II		Only offered Winter. Prereqs: PHYS 221, Enrolled in MATH 192
PHYS 223	1	Physics for Scientists & Engineers Lab II (IN-7)		Only offered Fall
PHYS 224	1	Physics for Scientists & Engineers Lab I		Only offered Winter. Prereqs: PHYS 223 or 213 and enrolled in PHYS 222
PHYS 310	3	Modern Physics		Only offered Fall. Prereqs: MATH 192, PHYS 221, PHYS 222
PHYS 400	1	Physics Portfolio		Only offered Winter
PHYS 480	1	Scientific Writing and Presentation (W		Requires permission of instructor
	9	Select PHYS (Physics) Electives from courses numbered 300 - 499 (9 credits)		
	3	Select PHYS (Physics) Electives (3 credits)		
	2-3	Select MATH 200 Elementary Linear Algebra (2) or MATH 201 Intermediate Linear Algebra (3) both only offered Winter sem		
	3	Choose one: BIOL 424 Issues of Natural Sci& Rel (W)/RELT 317 Issues in Physical Sci & Rel (R-4)/RELT 320 Issues in Physical Sci & Rel (R-4) (W)		

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3 Historical Perspectives

Summer Smart Start

Freshman Year Fall

PHYS 155	3	Descriptive Astronomy
ENGL 101	3	Critical Think in Ac Rdg & Wrtg I [IN-2]
HLED 173	2	Health for life (Online)
NOND 101	1	Southern Connections [IN-1]
MATH 191	4	Calculus I
PSYC 128	3	Developmental Psychology [IN-8]

16

Freshman Year Winter

CPT 100	1	Computer Concepts
EDUC 138	3	Intro/Foundations of Secondary Education
ENGL 102	3	Critical Think in Ac Rdg & Wrtg II [IN-2]
MATH 200/201	2	Elementary Linear Algebra or Intermediate
MATH 192	4	Calculus II
RELT 138	3	Adventist Heritage

16

Summer

RELB 125	3	Life & Teachings of Jesus (R-1)
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Sophomore Year Fall

PHYS 221	4	Physics for Scien. & Engineers I
PHYS 223	1	Physics for Scien. & Engineers I Lab
MATH 218	4	Calculus III
COMM 135	3	Comm. & Public Speaking
BIOL 103	3	Principles of Biology
PEAC 125	1	Fit for Collegiate Life

16

Sophomore Year Winter

EDUC 201	0	Teacher Education Candidacy
EDUC 317	2	Teaching with Technology
PHYS 222	4	Physics for Scien. & Engineers II
PHYS 224	1	Physics for Scien. & Engineers II Lab
MATH 315	3	Differential Equations
RELT 317	3	Issues in Science & Religion (R-4) or RELT 320
	3	Stewardship, Bus, & Econ. (IN-9)

16

Junior Year Fall

EDUC 253	1	Responsive Teaching
EDUC 342	2	Curriculum Content Methods
EDUC 419	3	Phil. & Leadership in Christian Ed (W) (SERV2)
ERSC 105	3	Earth Science (IN-7)
MATH 215	3	Statistics (IN-4)
PHYS 310	3	Modern Physics
	1	Physical Activity (P-1b)

16

Junior Year Winter

EDUC 252	0	Praxis Preparation-Secondary
EDUC 434	2	Reading & Writing in the Content Area
RELT 255	3	Christian Beliefs
	1	Physical Activity (P-1b)
	3	Physics Elective
	3	U.D. Physics Elective
	3	U.D. Aesthetic Analysis (IN-10) (W)

15

Senior Year Fall

EDUC 345	2	Learning Theory & Class Management
EDUC 346	2	Field Experience in Secondary Education
EDUC 347	2	Assessment and Differentiation
EDUC 348	2	Secondary Instructional Methods
PHYS 400	1	Physics Portfolio
PHYS 480	1	Scientific Wrtg & Presentation (W)
	6	U.D. Physics Electives

16

Senior Year Winter

EDUC 464	2	Teaching Seminar
EDUC 472	10	Enhanced Student Teaching Sec. (SERV-2)
PEAC 425	1	Fit for Hire

13

133-140 Total hours

Need-to-Know Hints (Important!)

- § A class is worth a number of *semester hours* : a 1 semester hour class will be less time & work than a 3 semester hour class
- § A full time course load is 12-16 semester hours per semester but 15-16 must be taken in order to graduate in 4 years
- § 124 credit hours are required to graduate (you may have to take elective classes in order to accumulate 124 credit hours)
- § Course numbers indicate difficulty level and correspond to years: 100 level=Freshman, 200 level=Sophomore etc.
- § 100 & 200 level classes are Lower Division (LD); 300 & 400 level classes are Upper Division (UD)
- § Before registering for UD classes you must complete 40 LD hours, ENGL 101 & 102, Math 215
- § Concentrate on fulfilling general education requirements during your first two years
- § Remember your Christian Service Program activities