



CHICAGO STATE  
UNIVERSITY

College of Arts and Science

Bachelor of Science

Catalog year 2022-2023

# PHYT

## Secondary Teaching in Physics

*\*refer to the catalog at csu.edu for updates to program requirements*

Credit Hours	122 credit hours. Students must complete a minimum of 15 credit hours per semester or 30 credit hours per academic year to earn a Bachelor's Degree on time in 4 years.						
Grade Point Average	3.0 GPA for admission to COE						
Residency Rule	Complete last 30 hours at Chicago State University. No more than 66 credit hours may be transferred in from a 2-year school						
Examinations	Transfer students who transfer in general education courses that meet their general education requirements in English Composition or Mathematics with a C or better do not have to take the corresponding placement examination.						
General Education Core	Chicago State University requires a minimum of 39 credit hours in the following General Education competencies:						
	English Composition (6 credits); Oral Communication (3 credits); Mathematics (3 credits); Foreign language (3 credits);			Social Science (9 credits); Humanities (6 credits); Fine Arts (3 credits); Biological Sciences (3 credits); Natural Sciences (3 credits)			
	Students must also complete 1 embedded diversity course and 1 embedded critical thinking course. Some courses may fulfill more than one requirement. Only approved courses will satisfy Gen Ed Requirements. Transfer students with an AA or AS degree have met all General Education Requirements.						
	<b>Subject Code/ Course Number</b>	<b>Term Offered</b>	<b>Credit Hours</b>	<b>Gen Ed</b>	<b>Also Allowed</b>	<b>Pre-requisite Courses</b>	<b>Co-requisite Courses</b>
<b>SEMESTER 1</b>							
Calculus I	MATH 1410	F, S	4	Yes	Math 1415	MATH 1210 or MATH 1250	
Composition I	ENG 1270	F, S	3	Yes	ENG 1240	Placement test	
General Chemistry I	CHEM 1400	F, S	3	Yes		One-year HS Chemistry or CHEM 1300	MATH 1200 (or higher) and CHEM 1410
General Chemistry I Lab	CHEM 1410	F, S	1	Yes		CHEM 1400	CHEM 1400
Humanities Elective		F, S	3	Yes			
Physics Skills	PHYS/CHEM 1010	F, S	1			FYSE	
<b>SEMESTER 2</b>							
Calculus II	MATH 1420	F, S	4			MATH 1410	
Composition II	ENG 1280	F, S	3	Yes	ENG 1240	ENG 1270	
General Chemistry II	CHEM 1450	F, S	3			CHEM 1400	MATH 1210, CHEM 1460
General Chemistry II Lab	CHEM 1460		1			CHEM 1410	CHEM 1450
Foreign Language	AFL/CHIN/FREN /SPAN 1020	F, S	3	Yes	must have a sequence in one language		
Communication for Professionals	CMAT 1130	F, S	3				

SEMESTER 3							
Calculus based Physics I	PHYS 2110	F, S	4	Yes		MATH 1410	MATH 1410
Calculus III	MATH 2430	F	4			MATH 1420	
Readings in Science Education	PHYS 4710	F	1		ED 1500		
U. S. Hist to 1877	HIST 1300 or HIST 1310 or POL 1010	F, S	3				
Introduction to Psychology	PSYC 1100	F, S	3				
SEMESTER 4							
Practical Earth Space	PH S 1140	F, S	3				
Calculus based Physics II	PHYS 2220	F, S	4			PHYS 2110	MATH 1420
Intro to Teaching	ED 1520	F, S	2				
Fine Arts Elective		F, S	3				
Educational Psych	PSYC 2020	F, S	3			PSYC 1100	
Humanities Elective		F, S	3				
SEMESTER 5							
Intro to Biology	BIOL 1710	F, S	4		Biol 1070 & 1080		
Electronics I	PHYS 2700	F	3			PHYS 2220	
Psyc Chldhd & Adoles	PSYC 2040	F, S	3			PSYC 1100	
Hist/Phil Am Pub	ED 2000	F	3			ED 1520	
Calculus based Physics III	PHYS 2330	F	4			PHYS 2220	
Teacher Immersion Institute	PHYS 3500	F, S	2		PHYS 4500	Dept consent	
SEMESTER 6							
Differential Equations	MATH 2550	S	4			MATH 2430	
Char Except Children	SPED 4301	F, S	3			PSYC 2040	
Mathematical Methods of Physics I	PHYS 3450	S	3			PHYS 2330, MATH 2550	
Adv. Undergrad Lab I	PHYS 4850	S	3			PHYS 2330	
Cert Test Rev	PHYS 1092	F, S	0				
Classical Mechanics I	PHYS 3110	S	3			PHYS 2330	
<b>Need to be admitted to the COE for the SPED 4303, Ed 4500, Read 4100, PHYS 4630, PHYS 4750, CAS 2630, PHYS 1092</b>							
SEMESTER 7							
Students w/Excep Nds	SPED 4303		2			SPED 4301	
Electricity and Magnetism I	PHYS 3150 or 3155	F	3			PHYS 2330	
Quantum Mechanics I	PHYS 3250 or 3255	F	3			PHYS 3110	
Content Reading Middle Sec	READ 4100	F	2				
Prin/Prac Secondary Ed	Ed 4500	F	2				
Tch Sci Sec	PHYS 4630	F, S	3				
Classroom Management	CAS 2630	F, S	1				
SEMESTER 8							
Student Teaching (Needs to be taken alone)	PHYS 4750	F, S	6				

Notes:

- Student teaching portfolio counts as senior thesis.