

CONCORDIA COLLEGE – MOORHEAD MN
Major in Physics Education

The major in Physics Education prepares students to be recommended by the
 Concordia College Department of Education for Minnesota licensure to teach in grades 9-12.
 Courses fulfill standards for MN Rule 8710.4750

The requirements are 56 credits plus 32 credits in education:

Course Number	Course Name	Semester Hours	Status
PHYS 111/112 OR PHYS 128/211	General College Physics I & II (4 cr- each) OR Physics for Scientists and Engineers I & II (4 cr each)	8	
PHYS 224	Introductory Modern Physics	4	
PHYS 225	Introductory Modern Physics II	4	
PHYS 314	Classical Mechanics	4	
PHYS 315	Electrodynamics	4	
PHYS 316	Statistical Physics	4	
PHYS 327	Techniques for Experimental Physics	4	
PHYS 429	Quantum Mechanics	4	
PHYS 430	Senior Seminar	4	
Math 121	Calculus I	4	
Math 122	Calculus II	4	
Math 223	Calculus III	4	
Math 311	Differential Equations	4	
EDUC 372	Methods of Teaching in Science	4	
Educational Requirements:			
PSCY 212	Educational Psychology	4	
EDUC 210	Foundations in K-12 Education	2	
EDUC 221	Teaching in the Middle School	2	
EDUC 350	The Art and Science of Teaching	2	
EDUC 351	Ecology of the Educational Setting	2	
EDUC 399	Orientation to Student Teaching	0	
EDUC 420	Knowledge, Literacy and Inquiry	2	
EDUC 425	Education of the Exceptional Child	2	
EDUC 439	Human Relations	2	
EDUC 498	Student Teaching	10	