

2009 - 2011

**Secondary Education
Physics***

Code: 2830

Bachelor of Science

Freshman Year

BIOL	110	Fundamentals of Biology I	3
EDCI	100	Orientation to Teacher Educ.	3
ENGL	101	Intro. to Academic Writing	3
HIST	221	United States to 1877	3
MATH	270	Calculus I	4
			<u>16</u>

EDFL	106	Introduction to Education	3
ENGL	102	Writing/Research Culture	3
MATH	301	Calculus II	4
PHYS	201	General Physics I	4
			<u>14</u>

Sophomore Year

MATH	327	Prop Reas & Problem Solve	3
MATH	350	Differential Equations	3
PHYS	202	General Physics II	4
PHYS	215	Physics Lab	1
PSYC	312	Adolescent Psychology	3
THEA	300	Activities in Dramatics	3
			<u>17</u>

CMCN	310	Public Speaking	3
EDFL	201	Teaching, Learning, Growth	3
BHSC		Elective ¹	3
MATH	360	Fundamentals of Math	3
PHYS	216	Physics Lab II	1
PHYS	301	General Physics III	3
			<u>16</u>

Junior year

AHBS		Elective ³	3
IREC	320	Technology in the Classroom	3
PHYS	311	General Physics Lab III	1
PHYS	324	Electromagnetic Theory	3
PHYS		Elective ⁴	3
SPED	300	Survey of Exceptional Child	3
			<u>16</u>

EDCI	450	Class Mgmt/Instr Design	3
EDFL	456	Classroom Assessment	3
MATH	430	College Geometry	3
PHYS	323	Mechanics	3
PHYS		Elective ⁴	6
			<u>18</u>

Senior Year

EDCI	427	Teaching in Diverse Society	3
EDCI	453	Secondary Science Methods	3
IREC	330	Technology & Science	1
EDCI	469	Adv Field Experience Sec	1
MATH	414	Number Theory/Ab. Alg.	3
PHYS	312	General Physics Lab IV	1
PHYS		Elective ⁴	3
READ	410	Teaching Content Literacy	3
			<u>18</u>

EDCI	479	Student Teaching Second. Elective (ENGL or LANG Literature)	9
			<u>3</u>
			12

Total: 127

* **Secondary Teaching Area must be Mathematics.** Math classes are already listed in this curriculum.

- 1 Behavioral Science elective chosen from ANTH, CJUS, ECON, GEOG, POLS, PSYC, or SOCI.
- 2 Arts, Humanities, or Behavioral Science elective, selected in consultation with academic advisor.
- 3 Select 4 courses (12 credits) from PHYS 352, 405, 423, 437, 440, 450, and 471.