

Articulation Agreement - Course Equivalencies		
Broome Community College		Buffalo State
Liberal Arts - General Studies A.S. Teacher Education Math		Physics B.A.
Course Dept & No.	Cr hrs	Course Dept & No.
First Semester		
Foreign Language	3	Foreign Language
COL 105 - Academic Planning Seminar	1	UNC 1XX
ENG 110 - College Writing I	3	CWP 101*
CHM 145 - General Chemistry I	4	CHE 111
MAT 181 Calculus I	4	MAT 161
PSY 110 - General Psychology	<u>3</u>	PSY 101
	18	
Second Semester		
ENG 111 - College Writing II	3	CWP 102*
Foreign Language	3	Foreign Language
CHM 146 - General Chemistry II	4	CHE 112
MAT 182 Calculus II	4	MAT 162
HIS 130 - United States History I		HIS106
Or		
HIS 131 - United States History II	3	HIS107
Physical Education (Cardiovascular)	<u>1</u>	Elective
	17	
Third Semester		
PHI 203 (Humanities)	3	PHI 1XX
PHY 181 Physics for Engineers & Scientists I	4	PHY 111
HIS 100 - The Rise of the West: 1500-Present	3	HIS 115
EDU 111 - Foundations of American Education	3	EDU1XX
Art, Music, or Theater	3	Gen Ed/IF
	16	
Fourth Semester		
PHY 182 Physics for Engineers & Scientists II	4	PHY 112
ENG 220 - Communicating About Ideas and Values	3	ENG 1XX
Social Science or Civic Ed	3	Elective
PSY 212 - Adolescent Development	3	PSY1XX
MAT 281 Calculus III	<u>4</u>	MAT 263
	17	

*A grade of C or better is required for transfer.

**Foreign Language fulfilled at Buffalo State if 2 years of the same language successfully completed in high school.

Buffalo State

Remaining courses:

Major:

PHY 213 University Physics III

PHY 305 Modern Physics I

PHY 320 Intro to Theoretical Physics

Electives in Physics (13 cr)

Required Credit Hours Outside the Major

MAT 163 Tech to explore Calc I

MAT 164 Tech to explore Calc II

MAT 264 Tech to explore Calc III

Any All College electives not met

Intellectual Foundations (Gen Ed/IF) not met

<http://catalog.buffalostate.edu/undergraduate/physics-ba.htm>

Students wishing to teach Physics, can complete this program and pursue the Master in Science Education.

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Remaining courses:

Major:

PHY 213 University Physics III

PHY 305 Modern Physics I

PHY 310 Computational Physics Lab (2)

PHY 320 Intro to Theoretical Physics

Additional Required courses (total 22 cr hrs)

Required Credit Hours Outside the Major

MAT 163 Tech to explore Calc I

MAT 164 Tech to explore Calc II

MAT 264 Tech to explore Calc III

MAT 315 Differential Equations

Any All College electives not met

Intellectual Foundations (Gen Ed/IF) not met

<http://catalog.buffalostate.edu/undergraduate/physics-bs.htm>

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