

Articulation Agreement - Course Equivalencies		
Broome Community College		Buffalo State
S.T.E.M. Division: Liberal Arts A.S.		Chemistry B.A.
Course Dept & No.	Cr hrs	Course Dept & No.
<b>First Semester</b>		
ENG 110 College Writing I	3	CWP 101*
COL 105 Academic Planning Sem	1	UNC 1XX
HIS 116 The West & World to 1500	3	HIS 115
CHM 145 - General Chemistry I	4	CHE 111
MAT 181 Calculus I	4	MAT 161
Physical Education	<u>1</u>	Elective
	16	
<b>Second Semester</b>		
ENG 111 - College Writing II	3	CWP 102*
CHM 146 - General Chemistry II	4	CHE 112
Art, Music, or Theater	3	Gen Ed/IF
MAT 182 Calculus II	4	MAT 162
BIO 117 Princ of Bio I	4	BIO 213
	18	
<b>Third Semester</b>		
MAT 281 Calculus III	4	MAT 263
CHEM 245/245L Organic Chem I/Lab	5	CHE 201/203
PHY 181 - Physics for Engineers & Scientists I	<u>4</u>	PHY 111
BIO 118 Princ of Bio II	4	BIO 111*
	17	
<b>Fourth Semester</b>		
ENG 220 Communicating about Ideas	3	ENG 1XX
PHY 181 - Physics for Engineers & Scientists I	<u>4</u>	PHY 111
CHM 246/246L Organic Chem II/Lab	5	CHE 202/204
HIS 117 - The West & World Since 1500	3	HIS 231
Social Science/Civic	3	Gen Ed/IF
	18	

\*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:**

CHE 301 Analytical Chemistry

CHE 305 & 306 Physical Chem I & II

CHE 307 & 308 Physical Che Lab I & II

**Concentration Courses:**

*Select 1 of the following concentrations:*

Chemistry (total 16 cr hrs)

Biochemistry (total 20 cr hrs)

**Required in other fields:**

BIO 211 Intro to Cell Biology

MAT 163 Using Tech to Explore Calc I

MAT 164 Using Tech to Explore Calc II

MAT 264 Using Tech to Explore Calc III

**Intellectual Foundations (Gen Ed/IF) not met**

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