

**2+2 Agreement: AA in Liberal Arts/Chemistry at Great Bay Community College and  
BS in Chemistry, General Chemistry Option at Plymouth State University**

<b>Years 1 and 2 at Great Bay Community College</b>		
<b>Course ID</b>	<b>Course Title</b>	<b>Credits</b>
<u>Year One</u> at Great Bay Community College		
BIOL 108G	General Biology I	4
CIS 110G	Introduction to Computers	3
CHEM 115G	General Chemistry I	4
CHEM 116G	General Chemistry II	4
ENGL 110G	College Composition I	4
FYE 101G	First Year Seminar	1
HUMA150G	Critical Thinking	3
MATH210G	Pre-Calculus	4
MATH230G	Calculus I	4
	Social Science Elective	<u>3</u>
	Sub-total Credits for Year One at GBCC	34
<u>Year Two</u> at Great Bay Community College		
CHEM 200G	Organic Chemistry	4
CHEM 205G	Biochemistry	4
ENGL 214G	College Composition II	3
PHYS 290G	University Physics I	4
	Humanities/Language/Fine Arts Elective	3
	Humanities/Language/Fine Arts Elective	3
	Math/Science Elective	4
	Social Science Elective	3
	Social Science Elective	<u>3</u>
	Sub-total Credits for Year Two at GBCC	<u>31</u>
	Total Credits at Great Bay Community College	65
<b>Years 3 and 4 at PSU</b>		
<b>Course ID</b>	<b>Course Title</b>	<b>Credits</b>
CH 1050	Laboratory Safety	1
CH 2250	Techniques in Laboratory Chemistry	2
CH 3020	Biochemistry I	4
CH 3380	Organic Chemistry II	4
CH 3400	Instrumental Analysis (TECO)	4
CH 3450	Physical Chemistry: Thermodynamics/Kinetics	4
CH 3460	Physical Chemistry: Quantum Mechanics	4
CH 4190	Introduction to Research	2
MA 2560	Calculus II (QRCO)	or
PH 2420	University Physics I	and
PH 2440	University Physics II Lab	<u>4</u>
	Sub-total Credits for Year Three at PSU	29
<u>Year Four</u> at PSU		
CH 3500	Inorganic Chemistry	4
CH 4530	Senior Research	4
CH	3000/4000 level Chemistry Elective	4
DICO	Diversity Connection	3
GACO	Global Awareness Connection	3
INCO	Integration Connection	3
WECO	Wellness Connection	3
	Elective	<u>2</u>
	Sub-total Credits for Year Four at PSU	<u>26</u>
	Total Credits taken at PSU	55

**BS CHEMISTRY, GENERAL CHEMISTRY OPTION 2015-2016**  
**2+2 Program with Great Bay Community College for AA Liberal Arts/Chemistry 2015-2016**

<b>GBCC Requirements (2015-16 Catalog)</b>	<b>Credits</b>	<b>Satisfies PSU Requirement (2015-16 Catalog)</b>	<b>Credits</b>
BIOL 108G General Biology I	4	credits toward BS degree	4
CHEM 115G General Chemistry I	4	CH 2335 General Chemistry I (QRCO)	4
CHEM 116G General Chemistry II	4	CH 2340 General Chemistry II	4
CHEM 200G Organic Chemistry	4	CH 3370 Organic Chemistry I	4
CHEM 205G Biochemistry	4	credits toward BS degree	4
CIS 110G Introduction to Computers	3	credits toward BS degree	3
ENGL 110G College Composition I	4	EN 1200 Composition	4
ENGL 214G College Composition II	3	credits toward BS degree	3
FYE 101G First Year Seminar	1	credits toward BS degree	1
HUMA 150G Critical Thinking	3	SSDI Self and Society Direction (sub)	3
Humanities/Language/Fine Arts Elective	3	CTDI Creative Thought Direction	3
Humanities/Language/Fine Arts Elective	3	CTDI Creative Thought Direction	3
MATH 210G Pre-Calculus	4	credits toward BS degree	4
MATH 230G Calculus I	4	MA 2550 Calculus I (QRCO)	4
Math/Science Elective* [MATH 250G or PHYS 295G	4	MA 2560 <i>or</i> PH 2420 + PH 2440	4
PHYS 290G University Physics I	4	PH 2410 + PH 2430 University Physics I + Lab	4
Social Science Elective	3	PPDI Past and Present Direction	3
Social Science Elective	3	PPDI Past and Present Direction	3
Social Science Elective	3	SSDI Self and Society Direction	3
 Total required for AA Liberal Arts/Chemistry	 65	 Sub-total	 65

\*Students may take PHYS 295G (University Physics II), MATH 150G (College Algebra), MATH 250G (Calculus II), or any 200-level BIOL or BTEC course.

CH 1050 Laboratory Safety	1
CH 2250 Techniques in Laboratory Chemistry	2
CH 3020 Biochemistry I	4
CH 3380 Organic Chemistry II	4
CH 3400 Instrumental Analysis (TECO)	4
CH 3450 Physical Chemistry:Thermodynamics/Kinetics	4
CH 3460 Physical Chem:Quantum Mechanics(WRCO)	4
CH 3500 Inorganic Chemistry	4
CH 4190 Introduction to Research	2
CH 4530 Senior Research	4
CH 3000/4000 level Chemistry elective	4
MA 2560 Calculus II (QRCO)	<i>or</i>
PH 2420 + 2440 University Physics II + Lab	4
DICO Diversity Connection	3
GACO Global Awareness Connection	3
INCO Integration Connection	3
WECO Wellness Connection	3
Electives	<u>*2</u>
Sub-total	55

Total required for the degree 120

\*three credits for IS 1111 become electives for transfer students entering with 24 or more credits

The maximum number of transfer credits that can be applied to a PSU bachelor degree is 90.

Plymouth State University CURRICULUM PLANNING GUIDE with APPLICATION of TRANSFER CREDIT

GBCC students coming to PSU must have grades of C or better in each of their courses and a minimum 2.0 cumulative GPA in order to transfer into the PSU BS Chemistry/General Option.

GBCC students who have completed the AA degree in Liberal Arts/Chemistry with one course with a grade of C- or below, may retake that course during the summer preceding entrance to PSU and still be accepted at PSU under this 2+2 agreement, if she/he earns a grade of C or higher.

GBCC students who complete the AA degree in Liberal Arts/Chemistry will need to take at least four more General Education classes (Diversity, Global Awareness, Integration, Wellness Connections) as well as the third and fourth year coursework for the BS Chemistry/General Option.

Advisors at GBCC will work with students to make sure that their Humanities/Language/Fine Arts, Social Science Electives will transfer in as General Education courses and major requirements at PSU.

If a GBCC student has not completed the AA degree in Liberal Arts/Chemistry, then courses will be transferred in on a course-by-course basis. See Transfer Agreement.

GBCC courses that satisfy PSU Creative Thought Direction

ARTS 103G Fundamentals of Acting I  
ARTS 124G Art, Design, and Color  
CIS 134G Web Style and Design  
ENGL 114G Introduction to Poetry  
ENGL 117G Introduction to Literature  
ENGL 209G American Literature Through the Civil War  
ENGL 220G American Literature After the Civil War  
ENGL 223G British Literature to 1800  
HUMA 125G Visual Language

GBCC courses that satisfy PSU Past and Present Direction

HIST 120G Western Civilization Through 1500  
HIST 130G Western Civilization-1500 to the Present  
HIST 201G History of New England  
HIST 202G United States History Through 1870  
HIST 203G Topics in History  
HIST 204G United States History-1870 to the Present  
HIST 210G History of China  
HIST 211G Modern Middle East History  
HIST 212G United States History Since 1945  
HMSC 120G Introduction to Terrorism  
HUMA 105G Introduction to Music

GBCC courses that satisfy PSU Self and Society Direction

AMER 110G Introduction to American Studies  
BTEC 205G Bioethics  
CRMJ 230G Justice and the Community  
ECE 210G Child, Family, and Community Relationships  
ECON 225G Personal Finance  
ENGL 212G Women's Literature  
HUMA 135G Children and the Media: Diversity Issues  
SOC 135G Sociology of Gender