



## **ARTICULATION AGREEMENT**

### **BETWEEN**

**SCHOOL OF PHARMACY AND PHARMACEUTICAL SCIENCES  
BINGHAMTON UNIVERSITY  
AND  
SUNY BROOME COMMUNITY COLLEGE**

### **INTRODUCTION**

Based upon mutual respect for the integrity of parallel programs and in an effort to better serve students intending to pursue a PharmD degree from the School of Pharmacy and Pharmaceutical Sciences at Binghamton University, SUNY Broome Community College and Binghamton University School of Pharmacy and Pharmaceutical Sciences hereby enter into this articulation agreement.

Binghamton University recognizes particular responsibility to students from SUNY Broome Community College who complete a Health Studies Associate in Science or Liberal Arts Associate in Science (LAAS) from SUNY Broome Community College and then wish to pursue a PharmD degree at Binghamton University.

SUNY Broome should advise all prospective students to consult the Binghamton University Bulletin for specific information about program requirements and admissions requirements for the School of Pharmacy and Pharmaceutical Sciences. (See <http://bulletin.binghamton.edu> and <https://www.binghamton.edu/pharmacy-and-pharmaceutical-sciences/future-students/admission-requirements.html>). Students are expected to enter the PharmD professional degree program, and not a baccalaureate program.

### **OBJECTIVES**

- To facilitate the transition of well qualified graduates from the Health Studies Associate in Science or Liberal Arts Associate in Science degree programs at SUNY Broome Community College to Binghamton University School of Pharmacy and Pharmaceutical Sciences PharmD professional degree program.
- To admit well qualified students to both SUNY Broome Community College and Binghamton University's School of Pharmacy and Pharmaceutical Sciences.
- To provide information to ensure appropriate advisement for students from faculty and staff at both SUNY Broome Community College and Binghamton University.
- To assess and exchange information on the specific outcomes of this articulation program with the goal of continuous improvement.



## ARTICLES OF AGREEMENT

### Terms

Binghamton University School of Pharmacy and Pharmaceutical Sciences agrees to hold up to eight seats for admission into the Doctor of Pharmacy program to eight well qualified candidates from SUNY Broome per academic year. Advising guides will be created in collaboration with the partnership institution to ensure students complete the appropriate prerequisite coursework.

SUNY Broome agrees to identify up to eight candidates per criteria listed below and provide a candidate listing to Binghamton University's School of Pharmacy and Pharmaceutical Sciences Office for Student Affairs at the beginning of the fall semester of each academic year prior to the expected enrollment year. These students will be guaranteed an interview early in the cycle and will be eligible to fill the eight held seats provided all credentials and interviews are satisfactory. This agreement does not exclude additional SUNY Broome Community College students from applying after the eight seats are filled, but Binghamton University's School of Pharmacy will not guarantee seat availability past the stated eight.

### Criteria

Candidates are selected at the discretion of SUNY Broome, and must meet the following eligibility criteria:

- Successfully complete at least the required 60 prerequisite credits from Broome County Community College outlined in the Advising Guides/Appendices. ***Please note: the SUNY Broome Health Studies, AS is a 60-credit degree program. Additional courses beyond this degree will be required to qualify for PharmD enrollment under the terms of this articulation.***
- Minimum grades of "C-" are required for acceptance for all prerequisites. AP credit and dual credit courses while enrolled in high school may fulfill prerequisite courses at the sole discretion of Binghamton University Students should follow the course equivalency to ensure completion of required coursework.
- Submit an online application to PharmCAS (Pharmacy College Application Service) no later than January 1 of the year that the student plans to enroll in the Binghamton University School of Pharmacy and Pharmaceutical Sciences.
- If students would like to participate in the Early Decision Process through PharmCAS, applications must be in prior to September 1.
- Achieve minimum cumulative and math/science grade point averages of 3.0.
- Achieve minimum composite score of 50 on the PCAT (Pharmacy College Admission Test) taken on or before the January test date prior to the academic year seeking enrollment.

Students who do not meet the above criteria remain eligible to apply for admission to the Binghamton University School of Pharmacy and Pharmaceutical Sciences through PharmCAS, provided they complete the prerequisite courses, achieve minimum cumulative and math/science-only grade point averages of 2.75, complete the PCAT on/ before the last available test date in the given admission cycle, and submit all required application materials to PharmCAS by March 1 of the intended year of entry.



**APPENDIX A**

**SUNY Broome Health Studies to Binghamton University School  
of Pharmacy  
Advising Guide**

SUNY Broome Community College Health Studies AS degree			Binghamton University Doctor of Pharmacy Degree Pre-Req Courses for Applicants				
Course #	Course Title	Credits		Course #	Course Title	Credits	Equivalency
BIO 131	Human Biology I	4		BIOL 251	Human Anatomy and Physiology I	4	
BIO 132	Human Biology II	4		BIOL 347	Human Anatomy and Physiology II	4	
ENG 110	College Writing I (GE#10 Basic Communication)	3		ENG XXX	College Writing I	3	
ENG 111	College Writing II (GE#10 Basic Communication)	3		ENG XXX	College Writing II	3	
PSY 110	PSY110 General Psychology (GE#3) recommended	3		PSYC 111	Social or Behavioral Science	3	
BIO 117	Principles of Biology I w/lab	4		BIO 117	Intro to Organisms & Pops Biology	4	
BIO 118	Principles of Biology II w/lab	4		BIO 118	Intro to Cell & Molecular Biology	4	
BIO 150 or CLT 208/209	Microbiology OR Pathogenic Microbiology w/Lab	4		BIOL 319	Pre-Health Microbiology	4	
CHM 145 CHM 145L	General Chemistry I w/Lab	4		CHEM 107 or 111	Intro. Chemistry Principles I or Chemical Principles	4	
CHM 146 CHM 146L	General Chemistry II w/Lab	4		CHEM 108 or 341	Intro Chem Principles II or Intermediate Inorganic Chem.	4	
CLT 110	Introduction to Clinical Technology	1					
PHS 161	Physics I: Mechanics and	4		PHYS 121	General Physics I	4	



	heat w/lab						
MAT 181	Calculus I	3		MATH 224 & 225	Differential Calculus & Integral Calculus	2+2	
MAT 124	Statistics	3		MATH 147 or 148	Elementary Statistics or Elementary Statistics for Biologists	4	
ECO 110 or 111	Micro or Macro Economics	3		ECON 160 or ECON 162	Principles of Microeconomics or Principles of Macroeconomics	4	
PHI 201	Ethics: Moral Philosophy	3					
PED	Any	1					
HIS	Any	3					
HST 100	Seminar in Health Science	1					
HST 109	Personal Success Strategies	1					
<b>Courses Required BEYOND the Health Studies, A.S. Degree Program:</b>							
CHM 246 & 246L	Organic Chemistry II w/ Lab	5		CHEM 332 + CHEM 335	Organic Chemistry II Organic Chemistry Lab	4 2	
MAT 182 (Optional)	Calculus II	4		MATH 226 & 227 (Optional)	Integration Technique and Application & Infinite Series	2+2	
CHM 245 CHM 245L	Organic Chemistry w/Lab	5		CHEM 231	Organic Chemistry I	4	
		<b>Total Credits</b>	60 for HSAS degree, plus 10 additional credits for BU				



**APPENDIX B**

**SUNY Broome Liberal Arts Associate in Science to Binghamton  
University School of Pharmacy  
Advising Guide**

SUNY Broome Community College Liberal Arts Associate in Science Degree			Binghamton University Doctor of Pharmacy Degree Pre-Req Courses for Applicants				
Course #	Course Title	Credits		Course #	Course Title	Credits	Equivalency
BIO 131	Human Biology I	4		BIOL 251	Human Anatomy and Physiology I	4	
BIO 132	Human Biology II	4		BIOL 347	Human Anatomy and Physiology II	4	
ENG 110	College Writing I (GE#10 Basic Communication)	3		ENG XXX	College Writing I	3	
ENG 111	College Writing II (GE#10 Basic Communication)	3		ENG XXX	College Writing II	3	
PSY 110	PSY110 General Psychology (GE#3) recommended	3		PSYC 111	Social or Behavioral Science	3	
BIO 117	Principles of Biology I w/lab	4		BIO 117	Intro to Organisms & Pops Biology	4	
BIO 118	Principles of Biology II w/lab	4		BIO 118	Intro to Cell & Molecular Biology	4	
BIO 150 or CLT 208/209	Microbiology OR Pathogenic Microbiology w/Lab	4		BIOL 319	Pre-Health Microbiology	4	
CHM 145 CHM 145L	General Chemistry I w/Lab	4		CHEM 107 or 111	Intro.Chemistry Principles I or Chemical Principles	4	
CHM 146 CHM 146L	General Chemistry II w/Lab	4		CHEM 108 or 341	Intro Chem Principles II or Intermediate Inorganic Chem.	4	
CHM 245 CHM 245L	Organic Chemistry w/Lab	5		CHEM 231	Organic Chemistry I	4	
CHM 246 & 246L	Organic Chemistry II w/ Lab	5		CHEM 332 + CHEM 335	Organic Chemistry II Organic Chemistry Lab	4 2	



PHS 161	Physics I: Mechanics and heat w/lab	4		PHYS 121	General Physics I	4	
MAT 181	Calculus I	4		MATH 224 & 225	Differential Calculus & Integral Calculus	2+2	
MAT 182	Calculus II (Optional)	4		MATH 226 & 227 (Optional)	Integration Technique and Application & Infinite Series	2+2	
MAT 124	Statistics	3		MATH 147 or 148	Elementary Statistics or Elementary Statistics for Biologists	4	
ECO 110 or 111	Micro or Macro Economics	3		ECON 160 or ECON 162	Principles of Microeconomics or Principles of Macroeconomics	4	
PED	Any	1					
		<b>Total Credits</b>	62, plus additional 4 credits (optional)				