

## **PROGRAM ARTICULATION AGREEMENT**

**Between**

**Wor-Wic Community College**

**and**

**Salisbury University**

**Associate of Science in STEM Transfer, Chemistry Concentration  
to**

**Bachelor of Science in Chemistry**

**August 2019 through July 2024**

This Program Articulation Agreement ("Agreement"), dated this 1st day of August 2019, is by and between Wor-Wic Community College, a community college located in Salisbury, Maryland, and Salisbury University, a constituent institution of the University System of Maryland (collectively, the "Parties" or "Institutions"). This Agreement sets forth the joint curricula and program requirements for the completion of the Associate of Science in STEM Transfer, Chemistry Concentration from Wor-Wic Community College and the Bachelor of Science in Chemistry at Salisbury University.

### **RECITALS**

*Whereas*, Wor-Wic Community College and Salisbury University are committed to partnering to expand the educational opportunities and collaborative academic programming of their respective institutions; and

*Whereas*, the two Institutions are committed to providing a smooth transition for students wishing to earn an associate of arts degree and a baccalaureate degree; and

*Whereas*, the intent of the Institutions is to avoid duplication of curricula, where appropriate, within articulated programs of studies; and

*Whereas*, the Institutions agree that the educational growth of students and the economic development of the community is better served through cooperative educational planning and optimal utilization of community resources.

*Therefore*, this Agreement commits the Parties to full support of an articulation process to deliver coursework for students, resulting in the associate of arts degree from Wor-Wic

Community College and credit toward the Bachelor of Science in Chemistry at Salisbury University. The Parties agree to the following:

**I. ACADEMIC REQUIREMENTS**

- A. The Institutions agree to follow the joint program curriculum and course by course articulation delineated in Appendix 1, which is attached hereto and made a part of this Agreement.
- B. Both Institutions will cooperate toward developing, disseminating, and presenting the articulated program information to students.
- C. Students who have graduated from Wor-Wic Community College program must first apply to Salisbury University. Once a completed application is received, Wor-Wic Community College graduates who have completed the associate's degree program in Associate of Science in STEM Transfer, Chemistry Concentration, with a cumulative grade point average of 2.0 or higher will be granted admission to Salisbury University as a Chemistry major.
- D. All articulated course credits applied towards satisfying Bachelor of Science in Chemistry major requirements earned with a C or better will be accepted for transfer according to the articulation matrix in Appendix 1.
- E. Salisbury University shall provide a Checklist for students as a planning tool for completing coursework required for the Bachelor of Science in Chemistry major in Appendix 2, attached hereto and made a part of this Agreement.
- F. Students intending to transfer should apply for admission by the priority deadline for the semester for which they intend to enroll.
- G. Students are subject to all specific policies pertaining to students admitted to the Salisbury University baccalaureate degree program in Bachelor of Science in Chemistry.

**II. TERM**

- A. The term of this Agreement commences as of the date set forth in the introductory paragraph of this Agreement. This Agreement is based on the present curricula contained in this document and its appendices, and is effective for a five-year period from August 2019 to July 2024.

- B. Either party may terminate this Agreement with notice to the other Party, pursuant to Section III.G below. Upon termination or expiration of this Agreement, the Parties shall develop a process that will reasonably allow students admitted to and enrolled in joint programming to continue their studies.

### **III. GENERAL PROVISIONS**

- A. Each Institution is responsible for the administration of its respective courses, including content, requirements, faculty and student services (to include, but not limited to, admissions, financial aid, class registration, etc.).
- B. When enrolled in a Salisbury University course, the student is subject to all policies and procedures applicable to Salisbury University students. When enrolled in a Wor-Wic Community College course, a student is subject to all policies and procedures applicable to Wor-Wic Community College students. Additional joint policies and procedures may be adopted and implemented at the discretion of both Parties.
- C. The Parties recognize that course scheduling beyond the associate's degree level resides exclusively with Salisbury University and will be coordinated with Wor-Wic Community College by the designated Salisbury University representative. Where academic calendars differ, the partners will work together to coordinate class offerings and class schedules.
- D. The disclosure of information about individual students is limited by the federal Family Educational Rights and Privacy Act (FERPA). The Parties agree that release of student educational records to the other Party is conditioned upon the submission of a signed agreement by the student authorizing such release.
- E. The Parties shall publicize any joint offerings in their respective catalogs, website, and other materials as appropriate. Notwithstanding the foregoing, neither Party may use the names or marks of the other without the prior approval of the other Party.
- F. The Parties shall inform students in their respective programs of the complementary program opportunities available at each other's respective institution, support each other's marketing efforts toward the same, and encourage such students to apply to programs consistent with an individual student's interests.
- G. Notwithstanding anything in this Agreement to the contrary, both Parties retain full authority over their respective courses, programs, and requirements. Both Parties reserve the right to make changes to their respective courses, programs, and

requirements. However, each Party shall give to the other reasonable notice and details of changes to this articulation Agreement and other changes in its courses, programs, and requirements that may affect this Agreement. Further, neither Party will terminate this Agreement at a time that would deter a "cohort-in-progress" from completing graduation within the originally designated timeframe.

- H. The Parties designate the following persons as their respective representatives to coordinate and manage the activities under this Agreement:

Wor-Wic Community College:

Salisbury University:

Colleen Dallam, Dean  
Brunkhorst Hall 220A  
32000 Campus Drive  
Salisbury, MD 21804  
cdallam@worwic.edu  
(410) 334-2853

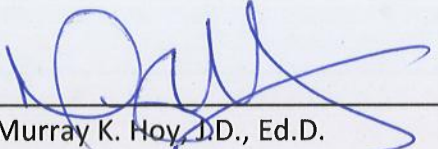
Richard T. Wilkens, Associate Provost  
Holloway Hall 242  
1101 Camden Avenue  
Salisbury, MD 21801  
rwilkens@salisbury.edu  
(410) 543-6022

- I. The designated representatives shall meet as needed, at a mutually agreeable time and location, to discuss various collaborations and other topics of interest to either Institution. A Party may change its representative by giving notice to the other party.
- J. Either institution may at any time recommend changes to this Agreement. Both Institutions reserve the right to modify the programs as deemed necessary and agree to inform the appropriate representatives of the other Institution of recommended changes. This Agreement may be modified only by a writing signed by both parties.
- K. All notices under this Agreement must be in writing; delivered in person, by U.S. mail or by email.
- L. Nothing in this Agreement is intended to form a joint venture between the Parties. Nothing in this MOU is intended to create rights or benefits for any person or entity other than the Parties.
- M. This Agreement integrates the entire agreement of the Parties and supersedes any and all prior and/or contemporaneous agreements between the Parties, written or oral, with respect to the subject matter of this Agreement.



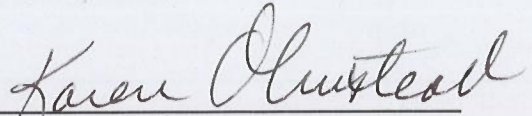
IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officials.

**Wor-Wic Community College**

By:   
Murray K. Hoy, J.D., Ed.D.  
President

Date: 1/6/20

**Salisbury University**

By:   
Karen L. Olmstead, Ph.D.  
Provost and Senior Vice President  
of Academic Affairs

Date: 12/12/19

## **APPENDIX 1**

### **Articulation Matrix**

The following matrix includes course equivalencies, including general education requirements and courses necessary to satisfy major requirements. The matrix also includes a recommended student curricular pathway to complete the Associate of Science degree and the Bachelor of Science degree requirements.

While the student is not required to take all courses in the precise order recommended in the articulation matrix, all course equivalencies described in the matrix and the manner in which they fulfill general education and major requirements at Salisbury University are binding. Students are strongly advised to seek appropriate advising with regard to the completion of requirements for the associate of arts degree, transition to Salisbury University, and completion of all requirements for the Bachelor of Science in Chemistry.



# Wor-Wic Community College

CC Course Prefix	CC Course Number	CC Course Title	Credits (at CC)	GenEd at CC	SU Course Prefix	SU Course Number	SU Course	Credits (at SU)	GenEd at SU	SU Degree Requirements	Credits Taken by Student
SDV	100	Fundamentals of College Study	1	GEN ED: Biological/Physical Sciences			[Does not transfer to SU]	0			16
BIO	105	Principles of Biology I	4	GEN ED: Biological/Physical Sciences	BIOL	210	Biology: Concepts and Methods	4	<b>IVA (1 of 2)</b>	Biology Requirement (1 of 1)	
CHM	105	General Chemistry I	4	GEN ED: Biological/Physical Sciences	CHEM	121	General Chemistry I	4	<b>IVA (2 of 2)</b>	Chemistry Requirements CR (1 of 13)	
ENG	101	Fundamentals of English II	3	GEN ED: English Composition *Note: this specific course is required for General Education	ENGL	103	Composition and Research	3	<b>IA</b>		
MTH	122	Precalculus II	4	GEN ED: Mathematics	MATH	140	College Algebra & Trigonometry	4	<b>IVC</b>		
ENG	151	Fundamentals of English II	3	GEN ED: Arts and Humanities	GENE	LIT	English Literature elective	3	<b>IB</b>		14
CHM	106	General Chemistry II	4		CHEM	122	General Chemistry II	4		CR (2 of 13)	
MTH	201	Calculus I	4		MATH	201	Calculus I	4		Math Requirement (1 of 2)	
101 or 151 or HIS or 201 or XXX		World Civilization I or World Civilization II or American History I or [HIST with SU equivalent higher than HIST 103]	3	GEN ED: Social Behavioral Science		101 or 102 or HIST 201 or > 103	World Civilization I or World Civilization II or United States History I [History Course]	3	<b>IIA or IIB</b>		
CHM	201	Organic Chemistry I	4		CHEM	221	Organic Chemistry I	4		CR (3 of 13)	
CHM	107	Laboratory Safety	1		CHEM	207	Laboratory Safety	1		CR (4 of 13)	15
PHY	141	Principles of Physics I	4		PHYS	221	Physics I	4		Physics Requirement (1 of 2)	
XXX XXX		GEN ED: Arts and Humanities	3	GEN ED: Arts and Humanities	HUM or GENE	HUM or SSC	Gen Ed: Humanities or Social Science	3	<b>IIIA</b>		
PHE	106	Integrated Health and Fitness	3		FTWL	106	Lifelong Fitness & Wellness	3	<b>V</b>		
CHM	202	Organic Chemistry II	4		CHEM	222	Organic Chemistry II	4		CR (5 of 13)	
MTH	202	Calculus II	4	GEN ED: Mathematics	MATH	202	Calculus II	4	<b>IVB</b>	Math Requirement (2 of 2)	15
PHY	142	Principles of Physics II	4		PHYS	223	Physics II	4		Physics Requirement (2 of 2)	
XXX XXX		GEN ED: Social Behavioral Science	3	GEN ED: Social Behavioral Science	GENE	SSC	Social Science General Education	3	<b>IIIB</b>		



The number of courses to fulfill general education should be 12



## Recommended Student Curricular Pathway

Wor-Wic Community College	Credits		Salisbury University	Credits
SDV 100 Fundamentals of College Study	1	→	<i>Does not transfer</i>	1
BIIO 105 Principles of Biology	4	→	BIOL 210 Biology: Concepts and Methods	4
CHM 105 General Chemistry	4	→	CHEM 121 General Chemistry I	4
ENG 101 Fundamentals of English I	3	→	ENGL 103 Composition and Research	3
MTH 122 Precalculus II	4	→	MATH 140 College Algebra & Trigonometry	4
			<b>Total Credits</b>	<b>16</b>

Semester 2				
Wor-Wic Community College	Credits		Salisbury University	Credits
ENG 151 Fundamentals of English II	3	→		3
CHM 106 General Chemistry II	4	→		4
MTH 201 Calculus I	4	→		4
HIS 101, 151, 201 or XXX World Civilization I, World Civilization II, American History I, or HIS course with SU equivalent higher than HIST 103	4	→	HIST 101, 102, 201, or >103 World Civilization I, World Civilization II, United States History I, or XXX	3
			<b>Total Credits</b>	<b>14</b>

Semester 3				
Wor-Wic Community College	Credits		Salisbury University	Credits
CHM 201 Organic Chemistry	4	→	CHEM 221 Organic Chemistry I	4
CHM 107 Laboratory Safety	1	→	CHEM 207 Laboratory Safety	1
PHY 141 Principles of Physics	4	→	PHYS 221 Physics I	4
XXX XXX GEN ED: Arts and Humanities	3	→	GENE HUM or SSC GEN ED: Humanities or Social Science	3
PHE 106 Integrated Health Fitness	3	→	FTWL 106 Lifelong Fitness & Wellness	3
			<b>Total Credits</b>	<b>15</b>

Semester 4				
Wor-Wic Community College	Credits		Salisbury University	Credits
CHM 202 Organic Chemistry II	4	→	CHEM 222 Organic Chemistry II	4
MTH 202 Calculus II	4	→	MATH 202 Calculus II	4
PHY 142 Principles of Physics II	4	→	PHYS 223 Physics II	4
XXX XXX GEN ED: Social Behavioral Science	3	→	GENE SSC GEN ED: Social Science Education	3
			<b>Total Credits</b>	<b>15</b>

# APPENDIX 2: Salisbury University Bachelor of Science in Chemistry Checklist

## CHEMISTRY (non-ACS certified) CHEMISTRY DEPARTMENT • HENSON SCHOOL

2019-2020

Rev. 3/14

NAME \_\_\_\_\_

ID# \_\_\_\_\_

DATE \_\_\_\_\_

### THIS CHECKLIST IS AN UNOFFICIAL TOOL FOR PLANNING.

Matriculated students and advisors should consult the Academic Requirements Report in GullNet before and after registering for classes each semester to track academic progress.

#### UNIVERSITY POLICIES

- Refer to the SU catalog for approval prerequisites and General Education courses.
  - Requirements may not equal 120 credit hours. Students must register for additional electives to complete 120 credits required for graduation.
  - All graduates must have a minimum of 30 credits of 300/400-level courses with C grade or above; at least 15 of those credits must be taken at SU.
  - Students must have a minimum cumulative GPA of 2.0 for graduation.
  - Students must complete at least 30 credit hours by direct classroom instruction and/or laboratory experience.
  - Students must take 30 of the last 37 credit hours at SU.
  - It is the student's responsibility to satisfy graduation requirements.
- Please refer to the SU catalog for detailed major requirements.
- Students must apply online for graduation by November 15 for May and by May 15 for December.

#### GENERAL EDUCATION REQUIREMENTS

Course No. & Title	#Credits	Grade	Term Completed
<b>Group I: English Composition and Literature (2 courses)</b>			
A. C or better in ENGL 103 or HONR 111	4	_____	_____
B. Literature course (from either ENGL or MDPL Depts.)	4	_____	_____
<b>Group II: History (2 courses)</b>			
A. HIST101, 102, or 103	4	_____	_____
B. HIST101, 102, 103 or a HIST course above 103	4	_____	_____
<b>Group III: Humanities and Social Sciences (3 courses)</b>			
A. Select one course from one of the following seven areas:			
ART, CMAT, DANC or THEA, MDPL, MUSC, PHIL, HONR 211	4	_____	_____
B. Select one course from one of the following eight areas:			
ANTH, CADR, ECON or FINA, ENVR, Human GEOG, POSC, PSYC, SOCI, HONR 112	3/4	_____	_____
C. Select one course from either Group IIIA or IIIB (course must be from a different area than previously selected)			
	3/4	_____	_____
<b>Group IV: Natural Science, Math and Computer Science (4 courses)</b>			
A. Select courses with laboratories from at least two of the following four areas:			
BIOL, CHEM, GEOL or Physical GEOG, PHYS			FULFILLED BY MAJOR
			FULFILLED BY MAJOR
B. Select one additional course (need not be a lab) from Group IVa or ENVH or ENVR or CDSC or MATH or HONR 212			
			FULFILLED BY MAJOR
C. Select one course from MATH			
			FULFILLED BY MAJOR
<b>Group V: Health Fitness (1 course)</b>			
FTWL106 - Lifelong Fitness and Wellness	3	_____	_____

#### MAJOR REQUIREMENTS

- Have at least a C average in the math and sciences courses required by the major.
- Transfer students are required to complete at least 15 hours in chemistry at SU.
- A curriculum guide outlining a suggested sequence of courses for the major is available on the Chemistry Department Web site.

Course No. & Title	#Credits	Grade	Term Completed
<b>CHEMISTRY REQUIREMENTS (13 courses)</b>			
CHEM121 - General Chemistry I	4	_____	_____
CHEM122 - General Chemistry II	4	_____	_____
CHEM207 - Laboratory Safety	1	_____	_____
CHEM221 - Organic Chemistry I	4	_____	_____
CHEM222 - Organic Chemistry II	4	_____	_____
CHEM306 - Fundamentals of Inorganic Chemistry	4	_____	_____
CHEM321 - Analytical Chemistry	4	_____	_____
CHEM333 - Instrumental Analysis	3	_____	_____
CHEM341 - Physical Chemistry I	4	_____	_____
CHEM342 - Physical Chemistry II	4	_____	_____
CHEM403 - Principles of Chemical Research	3	_____	_____
or			
CHEM413 - Internship/Co-op in Chemistry	3	_____	_____
CHEM441 - Advanced Experimental Chemistry I	4	_____	_____
CHEM442 - Advanced Experimental Chemistry II	4	_____	_____
<b>MATH REQUIREMENTS (2 courses)</b>			
MATH201 - Calculus I	4	_____	_____
MATH202 - Calculus II	4	_____	_____
<b>PHYSICS REQUIREMENTS (2 courses)</b>			
PHYS221 - Physics I	4	_____	_____
PHYS223 - Physics II	4	_____	_____
<b>BIOLOGY REQUIREMENT (1 course)</b>			
BIOL210 - Biology: Concepts and Methods	4	_____	_____