

ARTICULATION AGREEMENT

Community College of Baltimore County
Associate of Science
(Chemistry, Science Transfer Pattern)

and

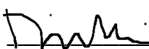
Morgan State University
Bachelor of Science Degree in
Chemistry

*General / Pre-Professional or ACS (American Chemical Society)

Entered into this 7th day of September 2017

Approved by:
Morgan State University

DocuSigned by:



Dr. David Wilson
President
Morgan State University

Approved by:
Community College of Baltimore County

DocuSigned by:



Dr. Mark McCulloch
Vice President of Instruction
Community College of Baltimore County

DocuSigned by:




Dr. Gloria Gibson
Provost and Vice President
for Academic Affairs

DocuSigned by:



Dr. Hongtao Yu
Dean, School of Computer, Mathematical
& Natural Sciences

DocuSigned by:



Dr. Angela Winstead
Chairperson, Chemistry

This agreement is effective with new Morgan admits beginning in the spring 2018

This agreement will remain in effect until spring 2020

*Chemistry (ACS) - This major is accredited by the American Chemical Society. Students who plan to continue their studies in graduate and professional school should elect the ACS option. Students who plan to plan to pursue an advanced degree in health sciences may elect the General / Pre-Professional major in Chemistry.

ARTICULATION AGREEMENT

Community College of Baltimore County (hereafter referred to as CCBC), a community college in Baltimore County, Maryland, and Morgan State University (hereafter referred to as MSU), a public state university in Baltimore, Maryland, agree to offer an articulated program leading to the award of a Bachelor of Science degree in Chemistry.

PURPOSE OF AGREEMENT

This agreement is entered into in the interests of our students. The general purpose of this agreement is to make clear the terms of this articulation agreement. This agreement will allow for the efficient transfer of students between campuses, including transfer credit, admissions, and financial aid/scholarship. It will provide opportunities for students beyond the classroom, serving as a basis for student involvement and faculty interaction. It will set expectations for administrators, faculty, and staff at both institutions and foster a working relationship between the parties. Finally, it will encourage students to continue their education for their personal and professional development.

ADMINISTRATIVE PRINCIPLES

The following general principles guide the operation of this Agreement:

1. The program is designed for graduates/transfers of the Associate of Science Chemistry, Science Transfer Pattern at CCBC. A maximum of seventy (70) credit hours from CCBC or another community college will be allowed towards fulfillment of the minimum one hundred and twenty (120) credit hours required for baccalaureate completion (Chemistry).
2. In accordance with the Code of Maryland Regulations, all courses meeting general education requirements at CCBC will transfer to MSU as general education. Other general education requirements will be met by using required or elective courses at MSU as noted in this agreement.
3. The maximum number of credits that will be accepted by MSU toward degree requirements from non-direct classroom instruction (including CLEP, AP, International Baccalaureate, and other select nationally-recognized standardized examination scores, and other four-year institutions) is ninety (90) credits. If the course is evaluated by CCBC and applied to the Associate of Applied Science transfer degree, the student must submit the score report to be evaluated by MSU, and credit will be applied as determined by an MSU evaluation. It is possible that not all transferable credit accepted by MSU will be applicable to the degree.
4. Courses completed at another community college or four-year institution will count towards the total credits transferred into MSU. Official transcripts from all previously attended institutions will also be required.
5. Once the Associate of Arts degree is completed and the student has been admitted to MSU, the student will be instructed to contact the appointed academic advisor and register for classes.

6. Students may complete the MSU curriculum part-time or full-time, online or face-to-face, or in any combination thereof.
7. This articulation agreement becomes effective on the date set forth on the first page of this document. This agreement will be reviewed and re-signed every two (2) years.
8. CCBC will permit MSU to conduct on-campus information sessions at locations and on dates that are mutually agreeable.
9. CCBC will provide appropriate accommodations for the MSU recruiter to meet with students in a confidential environment. Prior notice will be required.
10. CCBC will allow MSU to distribute or place materials at campus information distribution points that will be mutually agreeable to both parties (e.g. kiosks, central information desks, bulletin boards, etc.).
11. CCBC and MSU agree to monitor the performance of this agreement and to revise it as necessary.
12. The agreement may be terminated by either party after adequate notice, defined as one calendar year, at which time appropriate measures will be put into place regarding the continued transfer of students.
13. The office of record for program articulation agreements at Morgan State University is the Transfer Center. The office of record at Community College of Baltimore County is the Office of Instruction.

For students following this agreement, the requirements listed below apply:

1. Students must maintain a 2.0 cumulative grade point average in order to transfer to MSU. Should students choose to transfer prior to completion of the associate's degree, they will be responsible for meeting MSU eligibility requirements.
2. ORNS 106 – Freshman Orientation for Chemistry majors (1 credit) is not required for transfer students who transfer with a minimum of twenty-four (24) credits from the sending institution. However, if the student transfers with less than twenty-four (24) from the sending institution, the orientation class must be taken at MSU. Moreover, the transfer student must complete a minimum of one hundred and twenty- (120) credit hours to earn the Bachelor of Science degree in Chemistry.
3. Morgan State University does not guarantee the transferability of courses taken outside the guidelines within this articulated agreement.
4. In order to be eligible for admission, students must comply with all MSU admissions requirements, including posted deadlines and submission of appropriate documentation.
5. Should this articulation agreement concern a program with additional admissions requirements or prerequisite coursework, students must have met all standards prior to enrollment at MSU.
6. Students shall apply for admission to Morgan State University, indicating Chemistry as the intended major. Applications for admission can be obtained by contacting: the Office of Admission and Recruitment at (443) 885-3000 or http://www.morgan.edu/Admissions/Undergraduate_Admissions/Transfer_Applications.html. All required application materials must be supplied by the deadline.
7. Students will automatically be nominated for scholarships for which they are eligible. *For priority scholarship consideration, students must complete their admission application by November 15th for fall admission.
8. Students shall contact the Transfer Coordinator for their major for an advisement appointment once they have been admitted to MSU. The required credit hours must be successfully completed before Morgan State University can grant the degree. Each student's last thirty (30) credit hours must be completed at MSU.

APPENDICES

As part of this agreement, the following have been included:

1. Course-by-course articulations, including satisfaction of general education requirements at both Community College of Baltimore County and Morgan State University.
2. Upper division requirements to be completed at Morgan State University.
3. An academic advising sheet showing requirements for completion of the degree at CCBC.

These appendices may be changed, by mutual agreement, after adequate notice, defined as one calendar year, without the procedural process review or revision of the entire articulation agreement.

APPENDIX I-A: COURSE ARTICULATIONS
Community College of Baltimore County
Associate of Science
(Chemistry, Science Transfer Pattern) and
Morgan State University
Bachelor of Science Degree - Chemistry
General / Pre-Professional or American Chemical Society (ACS)
Course by Course Equivalency
(MSU Catalog 2016-2018; CCBC Catalog 2017)

The following pages indicate the course-to-course equivalency, including General Education, as agreed within the articulation agreements.

CCBC Course	Credits	MSU Equivalent	NOTES
First Semester			
*ACDV 101	0-1	Elective	Credit students who are new to college are required to take ACDV 101
CHEM 131	4	CHEM 105/ CHEM 105L (BP)	Satisfies Gen Ed BP Category
ENGL 101	3	ENGL 101 (EC)	Satisfies Gen Ed EC Category
MATH 251	4	MATH 241	CCBC - MATH 165 or LVM5 or sufficient math placement score.
CSIT101 or CSIT 111	3	INSS 141(IM)	Satisfies Gen Ed IM Category (COSCI10)
Total Credits	14-15		
Second Semester			
CHEM 133	4	CHEM 106/106L	
CMNS 101	3	SPCH 101 (AH)	Satisfies AH Gen Ed Category
MATH 252	4	MATH 242	
General Education Elective Arts & Humanities	3	Elective (AH)	Satisfies AH Gen Ed Category
Total Credits	14		
Third Semester			
CHEM 200	3	CHEM 203/CHEM 203L	
CHEM 201	1		
MATH 259	3	MATH 340	
PHYS 151	4	PHYS 205 / PHYS 205L	
General Education Elective Social & Behavioral Science	3	Elective (SB)	Satisfies SB Gen Ed Category
BIOL 110	4	BIOL 105	
Total Credits	18		
Fourth Semester			
Program Elective: BIOL 111 ** MSU recommends the 4 credit class (instead of a 3 credit), the extra credit will be transferred in addition to the 60 credit AS degree.	4	BIOL 106	MSU recommends BIOL 111 (required for major) Pre-requisite is BIOL 110.
CHEM 202	3	CHEM 204/CHEM 204L	
CHEM 203	1		
PHYS 251	4	PHYS 206 / PHYS 206L	
General Education Elective Social & Behavioral Science	3	Elective (SB)	Satisfies SB Gen Ed Category
Total Credits	15		
Total	*61-62		
*Credit students who are new to college (no successfully completed transferable college credits from other institutions) are required to take ACDV 101 - Academic Development: Transitioning to College. This 1-credit course is designed to be taken in the first semester at CCBC. Students must provide an official transcript(s) from an accredited institution to document successful completion of college coursework for the ACDV 101 requirement to be waived. Courses that are defined as general education by one institution shall transfer as general education even if the receiving institution does not have that specific course or has not designated that course as general education (MHEC Student Transfer Policy) Students can transfer in a maximum of 70 credits			

APPENDIX II-A: UPPER DIVISION REQUIREMENTS
Chemistry General/Pre-professional
(Catalog 2017-2018)

All transfer students will be required to take a minimum of 30 credits of upper division coursework at MSU. A minimum total of 120 credits are required for the degree.

Completion of the B.S. degree program in Chemistry (General / Pre-Professional) requires students to successfully complete the following course work:

Suggested Curriculum Sequence

Course Number	Course Title	Credit Hours	Explanation
First Semester			
MATH 113	Math Analysis I	4	General Education (MQ)
ENGL 102	English Composition II	3	General Education (EC)
XXX HH	Health and Healthful Living	3	General Education (HH)
CHEM 207	Quantitative Analysis	4	
Total Credits		14	
Second Semester			
MATH 114	Math Analysis II	4	
CHEM 307	Physical Chemistry I	4	
CHEM 320	Polymer Chemistry	3	
PHIL 109	Intro to Logic	3	General Education (CT)
Total Credits		14	
Third Semester			
CHEM 309	Physical Inorganic Chemistry	3	
CHEM 304	Biochemistry	4	
^XXX XXX	Complementary Studies	3	
XXX XXX	Advised Elective	3	
CHEM 300 or CHEM 401-402	Technical Presentations Undergraduate Research	1	
PHEC XXX	Physical Education	1	University Requirement
Total Credits		15	
Fourth Semester			
CHEM 404	Senior Seminar	1	
*XXX XXX	Advised Chemistry Elective	3	
CHEM 408	Advanced Organic Chemistry	4	
^XXX XXX	Complementary Studies	3	
HIST 350	Introduction to African Diaspora	3	General Education (CI)
*XXX	*Elective	*1-2	
Total Credits		14	
Total credits to be taken at MSU		*58-59	
<p>* Student will need a minimum of 120 credits to satisfy degree and graduation requirements. If a student has earned credit for ACDV 101 at CCBC, they will need an additional 1 credit to satisfy requirements, if a student has not taken ACDV 101, they will need an additional 2 credits to satisfy the requirements. Students must consult with academic advisor for recommendations of elective course(s) to satisfy the 120 credit requirement.</p> <p>^All students earning degrees in programs in the School of Computer, Mathematical and Natural Sciences must complete a six-credit Complementary Studies Program of two (2) three-credit courses or any (credit) combination thereof totaling six credits, designed to broaden their college exposure and education. Courses used to meet the Complementary Studies requirement may not be used simultaneously to satisfy other requirements. In order to qualify for graduation, students must choose any two courses that are different from those already selected to satisfy their General Education Requirements and that are not included within their Major and University Requirements.</p> <p>All students, including transfer students, are required to pass all Proficiency and Senior Level Comprehensive Departmental Examinations to be eligible for graduation</p>			

APPENDIX II-B: UPPER DIVISION REQUIREMENTS
Chemistry (ACS)
(Catalog 2016-2018)

All transfer students will be required to take a minimum of 30 credits of upper division coursework at MSU. A minimum total of 120 credits are required for the degree.

Completion of the B.S. degree program in Chemistry (ACS) requires students to successfully complete the following course work:

Suggested Curriculum Sequence

Course Number	Course Title	Credit Hours	Explanation
First Semester			
CHEM 304	Biochemistry	4	
ENGL 102	English Composition II	3	General Education (EC)
XXX HH	Health and Healthful Living	3	General Education (HH)
CHEM 207	Quantitative Analysis	4	
Total Credits		14	
Second Semester			
PHIL 109	Intro to Logic	3	General Education (CT)
CHEM 307	Physical Chemistry I	4	
HIST 350	Introduction to African Diaspora	3	General Education (CI)
^XXX XXX	Complementary Studies	3	
Total Credits		13	
Third Semester			
CHEM 308	Physical Chemistry II	4	
CHEM 309	Physical Inorganic Chemistry I	3	
^XXX XXX	Complementary Studies	3	
CHEM 300 or CHEM 401-402	Technical Presentations Undergraduate Research	1	
PHEC XXX	Physical Education	1	University Requirement
*XXX	*Elective(s)	*4-5	
Total Credits		16-17	
Fourth Semester			
CHEM 312	Advanced Inorganic Chemistry	3	
CHEM 314	Instrumental Methods & Analysis	4	
CHEM 404	Senior Seminar	1	
CHEM 408	Advanced Organic Chemistry	4	
CHEM 407	Advanced Physical Chemistry	3	
Total Credits		15	
Total credits to be taken at MSU		*58-59	
<p>*Student will need a minimum of 120 credits to satisfy degree and graduation requirements. If a student has earned credit for ACDV 101 at CCBC, they will need an additional 4 credits to satisfy requirements, if a student has not taken ACDV 101, they will need an additional 5 credits to satisfy the requirements. Students must consult with academic advisor for recommendations of elective course(s) to satisfy the 120 credit requirement.</p> <p>^ All students earning degrees in programs in the School of Computer, Mathematical and Natural Sciences must complete a six-credit Complementary Studies Program of two (2) three-credit courses or any (credit) combination thereof totaling six credits, designed to broaden their college exposure and education. Courses used to meet the Complementary Studies requirement may not be used simultaneously to satisfy other requirements. In order to qualify for graduation, students must choose any two courses that are different from those already selected to satisfy their General Education Requirements and that are not included within their Major and University Requirements.</p> <p><i>All students, including transfer students, are required to pass all Proficiency and Senior Level Comprehensive Departmental Examinations to be eligible for graduation</i></p>			



APPENDIX IV-A: ACADEMIC ADVISING SHEET
Community College of Baltimore County
(Catalog Year 2016-2018)



Thank you for your interest in the articulated academic plan for the Bachelor of Science in Chemistry. Successful completion of this program will ensure a smooth transition to Morgan State University.

Courses to take at Community College of Baltimore County:					
Course	Course Title	Credit	Completed	Grade Received	Grade Required
ACDV 101	Academic Development: Transitioning to College	0-1			D or better
CHEM 131	General Chemistry I	4			C or better
ENGL 101	College Composition I	3			C or better
MATH 251	Calculus I	4			D or better
CSIT 101 or 111	Technology and Information Systems or Logic and OO Design	3			C or better
CHEM 133	General Chemistry II	4			C or better
CMNS 101	Fundamental of Communication	3			C or better
MATH 252	Calculus II	4			C or better
Gen Ed Elective (AH)	Arts and Humanities Approved General Education Course	3			D or better
CHEM 200	Organic Chemistry I	3			C or better
CHEM 201	Organic Chemistry I Lab	1			C or better
MATH 259	Elementary Differential Equations	3			C or better
PHYS 151	General Physics I	4			C or better
Gen Ed Elective (SBS)	Social and Behavioral Sciences Approved General Education Course	3			D or better
Program Elective BIOL 111	Biology II: Organisms and Ecology	4			C or better
BIOL 110	Biology I: Molecular and Cells	4			C or better
CHEM 202	Organic Chemistry II	3			C or better
CHEM 203	Organic Chemistry II Lab	1			C or better
PHYS 251	General Physics II	4			C or better
Gen Ed Elective (SBS)	Social and Behavioral Sciences Approved General Education Course	3			D or better
Total Credits		61-62			

Application Deadlines:

Fall Semester: Nov 15th priority / Feb 15th regular
 Spring Semester: January 15th

Application fee:

\$35 online / \$45 paper

To be admitted you will need to have the following credits and grade point average (GPA) requirements:

- 0-11 credits, a 3.0 GPA and meet high school requirements
- 12-23 credits, a 3.0 GPA and meet SAT requirements
- 24 or more credits, a 3.0 GPA

For more information:

Contact Office of Admission and Recruitment at 443-885-3000

Or visit online <http://www.morgan.edu>