



**Transfer Articulation Agreement for Baccalaureate Degree**  
between  
**Central Maine Community College**  
and  
**University of Southern Maine**

---

**Statement of Purpose**

Central Maine Community College (CMCC) and the University of Southern Maine (USM) have entered into this transfer articulation agreement. The purpose of this agreement is to facilitate student academic transfer and provide a smooth transition from a two-year community college to a university. It is recognized that this agreement shall describe the required program of study at CMCC for admission eligibility to USM and the Baccalaureate Degree Program indicated.

**Terms and Conditions of Academic Credit Transfer**

**To:** **Bachelor of Science in Biology: Biotechnology Concentration**  
(Name of USM Academic Program/Degree)

**From:** **Associate in Science in Life Sciences**  
(Name of CMCC Academic Program/Degree)

The evaluation and transfer of earned college credits shall be in compliance with state and federal education policies and institutional and academic program accreditation standards pertaining to undergraduate academic transfer. Current students and graduates who have earned degrees from Central Maine Community College shall be eligible for credit evaluation under the terms of this agreement.

Transfer students will be accorded the same standards and criteria for admission to a major degree sequence as USM students. All applicants accepted to USM's Baccalaureate programs must fulfill the graduation requirements of the granting institution as identified in Appendices A, B & C.

- \* Appendix A Contains Admission & Graduation Requirements of the Receiving Institution
- \* Appendix B Contains Side By Side Course Equivalency Tables for the academic program listed above
- \* Appendix C Contains a four semester map of remaining courses to be taken at USM

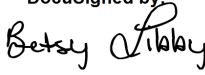
(Important Note: The information contained in Appendices A, B, & C is accurate for Catalog Year 2020-2021 and the current transfer equivalency listing. For up to date information please check the [UMS Transfer Guides](#) or [MaineStreet](#) for transfer equivalencies and <http://usm.maine.edu/catalogs> for the current course catalog year.


### Articulation Implementation and Agreement Review


The Chief Academic Officer designee of *the collaborating institutions* shall be responsible for implementing this agreement, for identifying and incorporating any changes into subsequent agreements, and for conducting a *periodic review of this agreement*.

### Signatures to This Agreement

This agreement becomes effective July 2020 and will be reviewed July 2023 for renewal discussion.

DocuSigned by:  
  
\_\_\_\_\_  
59C54CA23E354D7...  
Betsy Libby  
Vice President/  
Dean of Academic Affairs  
CMCC  
7/10/2020  
\_\_\_\_\_  
Date

DocuSigned by:  
  
\_\_\_\_\_  
0951071403644D5...  
Meghan Cadwallader  
Director of  
Educational Partnerships  
USM  
7/13/2020  
\_\_\_\_\_  
Date

DocuSigned by:  
  
\_\_\_\_\_  
EBBCEBA1038942F...  
Kenneth Weber  
Department Chair/Summer  
USM  
7/17/2020  
\_\_\_\_\_  
Date



**Transfer Articulation Agreement for Baccalaureate Degree**  
between  
**Central Maine Community College**  
and  
**University of Southern Maine**

**APPENDIX A**

This agreement includes specific requirements for admission into a program, outlines requirements, and indicates which degree or diploma can be used to meet program prerequisites as well as general education, major or program, and graduation requirements.

**Admissions requirements:** Successful completion of the Associate in Science in Life Sciences, submission of completed admission application, transcripts and other supporting materials. For coursework to transfer to USM, a student must earn a grade of C- or better.  
For a list of application instructions and checklist: <http://usm.maine.edu/admit/application-instructions>

**Requirements for the Bachelor of Science in Biology, Biotechnology Concentration:** Remaining required course work is listed in Appendix C. Student must maintain a cumulative GPA of 2.0 to graduate, and earn a C- or better in all courses required for the major.  
**USM Residency Requirement:** At minimum, thirty (30) of the last forty-five (45) credits of a student’s baccalaureate course load must be completed at USM.

**Additional Institutional Contact Information:**

**Academic Department Chair (Central Maine Community College)**

Name: Rosalie Arienti                      E-mail: rarianti@cmcc.edu                      Phone: (207) 755-5413

**Academic Department Chair (University of Southern Maine)**

Name: Jeffrey Walker                      E-mail: walker@maine.edu                      Phone: (207) 228-8166  
Kenneth Weber                      E-mail: keweber@maine.edu                      Phone: (207) 780-4265

## APPENDIX B

*Courses represented in italics are required.*

*If subjects in italics in Appendix B are **not** taken at CMCC, the sequence represented in Appendix C cannot be observed.*

**Only courses in which a student has earned a grade of C- or higher are considered for transfer.**

CMCC Courses AS Life Sciences-General Education Requirements			USM BS Biology, Biotech Concentration Equivalencies		
Course	Title	Credits	Course	Title	Credits
ENG 101 <b>OR</b> ENG 105	College Writing <b>OR</b> College Writing Seminar	3 - 4	ENG 100	College Writing	3 - 4
ENG ____	Select one of the following: ENG 201 Technical Writing ENG 220 Business Communications ENG 221 Adv. Composition & Research	3		Advanced Elective Core Requirement 1 of 3	3
MAT 122	College Algebra	3	MAT 108	College Algebra	3
COM 100	Public Speaking	3	THE 170	Public Speaking (Creative Expression Core Requirement)	3
PHI 111	Introduction to Ethics	3	PHI 1XX	Philosophy Elective (Cultural Interpretation Core Requirement)	3
Open Elective	<i>BIO 222 Genetics</i>	3	BIO 201	Genetics	3
	2 Humanities/Social Science Electives: 2 <i>courses that fulfill USM Core Requirements:</i> 1. <i>Diversity</i> 2. <i>International</i> <a href="#">see list</a>	6	Varies	Direct equivalents or elective credits	6
<b>Total credits</b>		<b>24-25</b>	<b>Total credits accepted</b>		<b>24-25</b>

CMCC AS Life Science-Major Requirements			USM BS Biology, Biotech Concentration Equivalencies		
Course	Title	Credits	Course	Title	Credits
BIO 131/132	Biology I with Lab	4	BIO 105/106	Biological Principles I: Cellular Biology with Lab	4
CHY 121/122	General Chemistry I with Lab	4	CHY 113/114	Principles of Chemistry I with Lab (Science Exploration Core Requirement)	4
BIO 133/134	Biology II with Lab	4	BIO 107	Biological Principles II: Evolution, Biodiversity, and Ecology	4
CHY 123/124	General Chemistry II with Lab	4	CHY 115/116	Principles of Chemistry II with Lab	4
PHY 142/143	Physics I/Lab	4	PHY 111/114	Elements of Physics I/Introductory Physics Lab I	4
CHY 221/222	Organic Chemistry I/Lab	5	CHY 251/252	Organic Chemistry I/Lab (Advanced Elective Core Requirement 2 of 3)	5
MAT 132	Pre-Calculus	3	MAT 140	Pre-Calculus (Quantitative Reasoning Core Requirement)	3
PHY 242/243	Physics II/Lab (If unavailable, take science or math elective.)	3-4	PHY 112/116	Elements of Physics II/Introductory Physics Lab II (or elective)	3-4
	Organic Chemistry II/Lab	5	CHY 253/254	Organic Chemistry II/Lab (Advanced Elective Core Requirement, 3 of 3)	5
MAT 283	<i>Calculus I</i>	4	MAT 152	Calculus A	4
<b>Total Major Credits</b>		<b>40-41</b>			<b>40-41</b>
<b>Total Credits</b>		<b>64-66</b>	<b>Total Credits Accepted</b>		<b>64-66</b>

## APPENDIX C

### Remaining USM Degree Requirements

For students in CMCC AS Life Science transferring to USM BS in Biology, Biotechnology Concentration

[Assumes students complete recommended Mathematics, Science, Social Science, and Humanities electives at CMCC as listed in Appendix B.]

Year Three Fall		Year Three Spring	
Course	Credit	Course	Credit
CHY 461 Biochemistry I	3	BIO 311/282 Microbiology/Lab	5
MAT 220 Statistics for the Biological Sciences	4	BIO 463 Biochemistry II	3
200+ level BIO Elective	3	BIO 408 Experimental Genetics	2
Elective (or Physics II/Lab if not taken at CMCC)	3-4	Engaged Learning Core Requirement	3
<b>Semester Credits</b>	<b>13-14</b>	<b>Semester Credits</b>	<b>13</b>

Year Four Fall		Year Four Spring	
Course	Credit	Course	Credit
Socio-Cultural Analysis Core Requirement	3	BIO 409/410 Cell and Molecular Biology/Lab	5
BIO 413 Applied Biostatistics	3	Capstone	3
BIO 431/432 Principles of Immunology/Lab	5	Ethical Inquiry Core Requirement	3
Elective	3	Elective	3
Elective*	3		
<b>Semester Credits</b>	<b>17</b>	<b>Semester Credits</b>	<b>14</b>
<b>Total USM credits: 57-58</b>			
<b>Total CMCC credits: 64-66</b>			
<b>Total CMCC and USM credits: 121-124</b>			

\*Elective may not be necessary depending upon credit total from CMCC.

Students must earn a C- or higher in all courses that comprise the Biology: Biotechnology Concentration major.