

ARTICULATION AGREEMENT

**The Community College of Baltimore County
Associate of Applied Science in Geospatial Applications**

**University of Maryland, Baltimore County (UMBC)
Bachelor of Arts or Bachelor of Science in Geography**

This agreement is initiated this day, March 16, 2009, between , The Community College of Baltimore County, 7201 Rossville Boulevard, Baltimore, MD, 21237, hereafter "CCBC," and the University of Maryland Baltimore County, a constituent institution of the University System of Maryland, and agency of the State of Maryland, hereafter "UMBC," to facilitate the transfer of students earning the Associate of Applied Science in Geospatial Applications at The Community College of Baltimore County to UMBC in pursuit of the Bachelor of Arts or Bachelor of Science in Geography.

I. PURPOSE

The purpose of this Articulation Agreement (the "Agreement") is to establish collaboration between UMBC and CCBC in an effort to facilitate the transfer and degree completion of students earning the Associate of Applied Science in Geospatial Applications at CCBC to the Bachelor of Arts or Bachelor of Science in Geography at UMBC.

This Agreement also serves as a Memorandum of Understanding between both institutions for the purpose of clarifying roles and responsibilities in this partnership.

In the spirit of articulation, faculty representatives from both institutions will meet regularly to engage in ongoing discussion to enhance and strengthen this collaboration. Partner institution faculty will serve as a resource, as available, to each other's students and faculty by serving as a guest lecturer, workshop/seminar facilitator and other program exchanges. Partner institutions agree to communicate program changes in a timely manner to avoid disruption to student progress toward degree completion.

II. GUIDING PRINCIPLES

In consideration of the mutual covenants and conditions expressed herein, the parties agree to the following:

A. General Requirements

1. All courses meeting general education requirements at CCBC will transfer and be applied towards the general education requirements at UMBC.
2. A maximum of 60 credits will transfer from CCBC, a 2-year degree-granting institution.
3. Upon matriculation to UMBC, CCBC students must satisfy all general education, graduation and major requirements as outlined in the UMBC Undergraduate Catalog.
4. CCBC students must take a minimum of 30 credit hours at UMBC to earn a bachelor's degree. The final 30 credits must be earned at UMBC.

5. UMBC requires a total of 120 credit hours, including all general education requirements and discipline requirements, to attain a bachelor's degree.
6. At least 45 of a student's 120 credits required for a bachelor's degree must be in courses designated as upper-level; at UMBC, this is indicated by a 300- or 400-level course number. Courses from community colleges judged to be equivalent to upper-level UMBC courses will be counted toward the upper-level graduation requirement.

B. Advising/Academic Planning

1. Students should work closely with their academic advisor at CCBC to develop an academic plan to ensure a seamless transition.
2. Students and advisors are encouraged to utilize a variety of advising resources including the UMBC Undergraduate Catalog, departmental websites, as well as ARTSYS (the USM online articulation database), to ascertain transferability of coursework. CCBC and UMBC will review and update ARTSYS annually with regards to core courses and departmental course equivalencies.
3. Following admission to UMBC, students will receive an evaluation of prior college coursework that indicates transferability and applicability to UMBC general and university requirements.
4. Prior to matriculation to UMBC, all new students are required to attend the mandatory new student orientation program. During orientation, students will meet with an academic advisor to review prior coursework, discuss academic interests and goals, and develop an academic plan.
5. Upon matriculation, students will be assigned an advisor in their area of study. Students are strongly encouraged to meet with their advisor periodically. Students are required to meet with their advisor prior to registering for subsequent semesters.

C. Admissions

1. The UMBC Admissions Committee considers a number of factors including the applicant's strength of curriculum, overall performance in all college coursework and academic trend.
2. Applicants successfully completing the articulated program with a 2.0 or better cumulative grade point average who have not matriculated at any other institution of higher education post matriculation from CCBC will be guaranteed transfer admission to UMBC. Additional requirements may apply on selective admissions programs (e.g. Engineering, Visual & Performing Arts). A history of acts identified in the Federal Campus Security Act may disqualify a candidate for guaranteed admission.

D. Scholarships and Financial Aid

1. Students transferring from CCBC to UMBC that meet application deadlines, academic and financial qualification that apply to all students, may be eligible for consideration for the following scholarships offered by UMBC. For additional information, visit http://www.umbc.edu/financialaid/new_transfers.html
2. To maximize consideration for need-based aid, students are encouraged to complete the "Free Application for Federal Student Aid (FAFSA)" as soon as possible after January 1, but prior to February 14 for fall admission.

III. PROGRAM ARTICULATION AGREEMENT

Maryland Community College: The Community College of Baltimore County
Program: Associate of Applied Science in Geospatial Applications
Pursuing at UMBC: Bachelor of Arts or Bachelor of Science in Geography

The following Community College of Baltimore County courses have been approved by UMBC's Articulation Review Committee and the Academic Dean for transfer to UMBC. Their transferability and applicability to UMBC's general foundation and graduation requirements are subject to review and evaluation by the Articulation Review Committee. Where noted, course equivalencies have been indicated. (AH), (C), (EN), (L), (M), (S), (SL), and (SS) indicate courses that may be applied to UMBC's general foundation requirements.

| <i>CCBC Course Number</i> | <i>Course Title</i> | <i>Credits</i> | <i>UMBC Equivalency</i> | <i>General Education Requirement</i> | <i>Notes</i> |
|--|--------------------------------------|-----------------------|---------------------------------------|---|---|
| <u>General Requirements</u> | | | | | |
| ENGL 101 | College Composition I | 3 | ENGL 100 | EN | |
| MATH 135 ** | Applied Algebra & Trigonometry | 3 | Lower Level Elective | M | |
| CINS 120 | Diversity in a Technological Society | 3 | IS 101 | SS | Fulfills the CCBC Diversity Requirement |
| Biological/Physical Sciences with lab | | 4 | Lower Level Elective (Science w/ Lab) | SL | Choose CCBC course that meets UMBC's SL requirement |
| MUSC102 | Music Appreciation | 3 | MUSC 100 | AH | |
| SPCM 101 | Fundamentals of Speech Communication | 3 | SPCH 100 | AH | |
| Social & Behavioral Science | | 3 | Lower Level Elective | SS | Choose CCBC course that meets UMBC's SS requirement |
| <i>Total General Education Requirements</i> | | 22 | | | |
| <u>Program Requirements</u> | | | | | |
| ENGL 102 | College Composition II | 3 | Lower Level Elective | AH | |
| ENGL 213 | Technical Writing | 3 | Lower Level Elective | | |
| CADD 101 | Introduction to CADD | 3 | Non-transferable | | |
| GEOG 101 | Introduction to Physical | 3 | GES 110: Physical Geography | S | |

| | | | | | |
|---|---|-----------|--|------|---|
| | Geography | | | | |
| GEOG 102 | Introduction to Cultural Geography | 3 | GES 102: Human Geography | SS/C | |
| GEOG 111 | World Regional Geography | 3 | GES 105: World Regional Geography | SS | |
| GEOA 101 | *Introduction to Geographic Information Systems (*GIS) | 3 | GES 286 Exploring the Environment: A Geo-Spatial Perspective and GES 386: Introduction to GIS | | All three courses must be completed or each will transfer individually as lower level electives. If all three courses are taken, credit will be given for all courses plus the designated course equivalencies. |
| AND | AND | | | | |
| GEOA 110 | Intermediate GIS | 4 | | | |
| AND | AND | | | | |
| GEOA 150 | Remote Sensing and Global Positioning for GIS | 3 | | | |
| GEOA 210 | Decision Making Using Geographic Information Systems | 4 | One GES techniques course at the 300/400 level in consultation with a faculty advisor | | Both courses must be completed or each will transfer individually as lower level electives. |
| AND | AND | | | | |
| GEOA 250 | Advanced Geospatial Applications | 3 | | | |
| Total Program Requirements | | 35 | | | |
| <u>Program Electives</u> (Choose 2 courses from this list) | | | | | |
| CINS 134 | Comprehensive Databases Authoring Web Pages Introduction to SQL Using ORACLE Visual BASIC Programming Database Concepts | 6 | Lower Level Electives | | |
| CINS 146 | | | Lower Level Electives | | |
| CINS 156: | | | Lower Level Electives | | |
| CINS 220: | | | Lower Level Electives | | |
| CINS 234: | | | IS 246 | | |

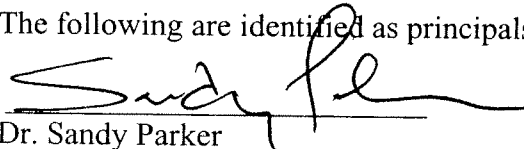
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|---|--|-----------|-----------------------|---|--|
| | | | Lower Level Electives | | |
| Biological/Physical Sciences GenEd | | 3 | Lower Level Electives | S | |
| Total Program Electives | | 9 | | | |
| | | | | | |
| Total Number of Credits Required For AAS Degree: | | 66 | | | |
| | | | | | |
| Maximum Number of Transfer Credits Applied Towards BA degree | | 60 | | | |
| | | | | | |
| Minimum Number of Credits Remaining for Completion of 120 Credits Required for BA degree | | 60 | | | |


Legend

| | |
|-----|--|
| AH | Arts/Humanities |
| C | Culture |
| EN | English Composition |
| L | Language |
| LLE | Lower Level Elective |
| M | Mathematics |
| PE | Physical Education (institutional credit only) |
| S | Science |
| SL | Science (plus lab) |
| SS | Social Sciences |

****Note:** Students will be required to complete CCBC's MATH 165 or UMBC's MATH 150 (Precalculus Mathematics) to receive a B.A. in Geography. Students will be required to complete CCBC's MATH 251 or UMBC's MATH 151 (Calculus and Analytic Geometry I) to receive a B.S. in Geography.

The following are identified as principals at each partner institution:


 Dr. Sandy Parker
 Chair, Geography Department
 University of Maryland Baltimore County


 Scott Jeffrey
 Coordinator, Geospatial Applications
 The Community College of Baltimore County

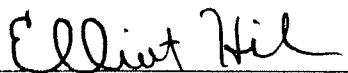
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EXECUTION OF ARTICULATION AGREEMENT

The Community College of Baltimore County
Associate of Applied Science in Geospatial Applications
7201 Rossville Boulevard
Baltimore, MD 21237

University of Maryland, Baltimore County (UMBC)
Bachelor of Arts or Bachelor of Science in Geography
1000 Hilltop Circle
Baltimore, Maryland 21250

Entered into this 16th day of March, 2009.

 3/31/09

Elliot Hirshman, Ph.D.
Provost & Senior Vice President for Academic Affairs
University of Maryland, Baltimore County

 4/17/09

Mark McColloch, Ph.D.
Vice President of Instruction
The Community College of Baltimore County

This agreement is applicable for students enrolled at The Community College of Baltimore County upon the execution date of this agreement. This agreement may be modified by the mutual written consent of both parties. This agreement may be terminated by either party by giving notice six months in advance to the other party. Such termination will not affect the participation in the articulated programs of those CCBC students who have been fully or conditionally admitted to UMBC.

Any notice to be given hereunder shall be given in writing by U.S. mail or via reputable over night courier (e.g., Federal Express, DHL, etc.). Notice shall be deemed received upon delivery to the party to whom the notice is directed or to its agent, in the case of UMBC to: UMBC, 1000 Hilltop Circle, Baltimore, Maryland 21250, Attn: Dr. Elliot Hirshman, Provost, with copies to Dr. Diane Lee, Vice Provost and Dean, Undergraduate Education, Ms. Yvette Mozie-Ross, Assistant Provost, Enrollment Management, and Dr. Steve Robinson, University Registrar, UMBC ; and, in the case of CCBC to: CCBC, 7201 Rossville Boulevard, Baltimore, MD, 21237, Attn: Dr. Mark McColloch, Vice President of Instruction, CCBC with copies to Jane Mattes, Assistant to the Vice President of Instruction. Notwithstanding the foregoing, in the event that this Agreement provides that any notice must be directed to a person other than the person designated for the receipt of notice in the preceding sentence, then notice must be directed to such other person in order to be effective hereunder.

This Agreement embodies the entire agreement and understanding among the parties hereto relating to the subject matter hereof and may not be changed orally, but only by an instrument in writing signed by all parties hereto. No representation, warranty, undertaking or covenant is made by any party hereto except as contained herein and any others are specifically disclaimed. This Agreement shall be governed by and construed in accordance with the internal laws of the State of Maryland (i.e., without regard to its conflicts of law rules). This Agreement shall be binding upon the parties hereto and their respective successors, but shall not inure to the benefit of any third party beneficiary. This Agreement and any rights hereunder may not be assigned by either party without the prior written consent of the other, and any purported assignment without consent shall be null and void and of no effect whatsoever. This

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Agreement may be executed in any number of counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same Agreement.