

# ARTICULATION AGREEMENT

Montgomery College  
**Associate of Applied Science : Diagnostic Medical Sonography**

**and**

University of Baltimore  
**Bachelor of Science in Health Systems Management**

Entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2006.  
(date) (month)

\_\_\_\_\_  
Robert Bogomolny,  
President  
University of Baltimore

\_\_\_\_\_  
Dr. Charlene Nunley,  
President  
Montgomery College

\_\_\_\_\_  
Wim Wiewel,  
Provost and Senior Vice President  
for Academic Affairs  
University of Baltimore

\_\_\_\_\_  
Dr. Mary Kay Shartle-Galotto,  
Executive Vice President for Academic  
and Student Services  
Montgomery College

\_\_\_\_\_  
Dr. Larry Thomas,  
Dean, Yale Gordon School of Liberal Arts  
University of Baltimore

\_\_\_\_\_  
Dean Angela Pickwick, M.S.,  
Dean of Health Sciences  
Montgomery College

\_\_\_\_\_  
Dr. John Callahan,  
Program Director, Health Systems Management  
University of Baltimore

\_\_\_\_\_  
Linda Zanin, Ed.D., RDMS  
Program Coordinator, DMS  
Montgomery College

This agreement is effective with new *UB* admits beginning in Fall, 2006.

This agreement will be reviewed *biennially*

## **ARTICULATION AGREEMENT**

Montgomery College (hereafter referred to as MC), a community college in Montgomery County, Maryland, and the University of Baltimore (hereafter referred to as UB), a public state university in Baltimore, Maryland and a member of the University System of Maryland, agree to offer an articulated program leading to the award of a Bachelor of Science in Health Systems Management.

### **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 own personal and professional development.

### **ADMINISTRATIVE PRINCIPLES**

The following general principles guide the operation of this Agreement:

1. The program is designed for graduates of the associate degree in all tracks of Diagnostic Medical Sonography at MC. A maximum of 60 credit hours from MC will be allowed towards fulfillment of the one hundred twenty (120) credit hours required for baccalaureate completion.
2. In accordance with Code of Maryland Regulation, all courses meeting general education requirements at MC will transfer to UB as general education. Other general education requirements will be met by using required or elective courses at UB as noted in this agreement.
3. The maximum number of credits that will be accepted by UB toward degree requirements from non-direct classroom instruction (including CLEP, AP, other nationally recognized standardized examination scores and other four-year institutions) is 30 credits. If the course is evaluated by MC and applied to the Diagnostic Medical Sonography degree, UB will accept the course automatically as a transfer course. If the credit is not on the MC transcript, the student may submit the score report to be evaluated by UB and credit will be applied as determined by UB's evaluation. Credit awarded for experiential learning ("life experience") if awarded by MC is recognized by, and is transferable to, UB. It is possible that not all transferable credit accepted by UB will be applicable to the degree.

4. Courses completed at another community college will count towards the total credits transferred into UB. Official transcripts from previously attended institutions will also be required.
5. Once the associate's degree is completed and the student has been admitted to UB, the student will be instructed to contact the appointed academic advisor and register for classes.
6. While MC and UB do not presently have a dual admissions program, should one be agreed to, this agreement will not preclude students from participation and students may apply for and receive the benefits of dual admission.
7. MC will provide potential student directory information, as defined in FERPA, to UB for matters of recruitment, marketing and data management. UB does not include address, phone or e-mail as directory information. Educational records maintained by each institution are subject to the Family Education Rights and Privacy Act (FERPA), and the regulations promulgated under it.
8. UB will establish a mechanism to provide information on the academic progress of the MC student enrolled as a result of this agreement.
9. Students may complete the UB curriculum part-time or full-time, online or face-to-face, or in any combination thereof.
10. This articulation agreement becomes effective on the date set forth on the first page of this document. This agreement will be reviewed biennially, and appropriately marked as such.
11. MC and UB agree to publicize this program.
12. MC and UB agree to monitor the performance of this agreement and to revise it as necessary.
13. The agreement may be terminated by either party after adequate notice, defined as one semester or 6 months, to the other, at which time appropriate measures will be put into place regarding the continued transfer of students.
14. The office of record for academic agreements at the University of Baltimore is the Office of Community College Relations. The office of record for agreements at Montgomery College is the Office of the Executive Vice President for Academic and Student Services.

For admission to UB, the following apply:

1. Students must maintain a 2.0 cumulative grade point average in order to transfer at the 56 credit level or higher. Should students choose to transfer prior to completion of their associate's degree, they will be responsible for meeting eligibility requirements.

2. In order to be eligible for admission, students must comply with all UB admissions requirements, including posted deadlines and appropriate documentation.
3. Should this articulation agreement concern a program with additional admissions requirements or prerequisite coursework, students must have met all standards prior to enrollment at UB.
4. Students who have satisfied the requirements of the articulation agreement will be given every consideration for financial assistance and will be eligible to compete for academic scholarships at UB.

### **APPENDICIES**

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

1. Course by Course articulations, including satisfaction of general education requirements at both MC and the University of Baltimore.
2. Upper Division requirements, to be completed at the University of Baltimore.
3. An academic advising sheet, showing requirements for completion of the degree at MC.

These appendices can be changed on a routine basis, by mutual agreement, without the procedural process review or revision of the entire articulation agreement.

## APPENDIX IA- COURSE ARTICULATIONS (Diagnostic Medical Sonography – General Track)

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

### Course to course articulation, including General Education

MC Course	Credits	UB Equivalent	Explanation/Notes
BI107 or BI101 (Prerequisite)	4	Lower Level Elective	Satisfies the Science General Education Area
BI204	4	Lower Level Elective	Satisfies the Science General Education Area
BI205	4	Lower Level Elective	
HI125	2	Lower Level Elective	
HI126	2	Lower Level Elective	
HI135	3	Lower Level Elective	
MA110 OR HIGHER	3	Lower Level Elective	Satisfies the Math General Education Area
MS101	3	Lower Level Elective	
MS102	2	Lower Level Elective	
MS201	3	Lower Level Elective	
MS202	2	Lower Level Elective	
MS220	1	Lower Level Elective	
MS221	2	Lower Level Elective	
MS222	4	Lower Level Elective	
MS223	4	Lower Level Elective	
MS224	1	Lower Level Elective	
MS225	1	Lower Level Elective	
MS226	1	Lower Level Elective	
MS112	3	Lower Level Elective	
MS113	3	Lower Level Elective	
MS212	3	Lower Level Elective	
MS213	3	Lower Level Elective	
MS210	1	Lower Level Elective	
PH010	1	Lower Level Elective	
EN101	3	Lower Level Elective	
EN102 or EN109	3	Lower Level Elective	Satisfies the English Composition General Education Area
PY102	3	Lower Level Elective	Satisfies the Social and Behavioral Science General Education Area
HS or PL	3	Lower Level Elective	Satisfies the Humanities Distribution (General Education Area) and satisfies the UB History or Philosophy Requirement.
SP108 or SP112 or SP212	3	Lower Level Elective	Satisfies the Speech Foundation, General Education Area
<b>TOTAL</b>	<b>75*</b>		

\*A maximum of 60 credits will transfer to UB

## APPENDIX IB- COURSE ARTICULATIONS (Diagnostic Medical Sonography – Echocardiography Track)

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

### Course to course articulation, including General Education

MC Course	Credits	UB Equivalent	Explanation/Notes
BI107 or BI101 (Prerequisite)	4	Lower Level Elective	Satisfies the Science General Education Area
BI204	4	Lower Level Elective	Satisfies the Science General Education Area
BI205	4	Lower Level Elective	
HI125	2	Lower Level Elective	
HI126	2	Lower Level Elective	
HI135	3	Lower Level Elective	
MA110 OR HIGHER	3	Lower Level Elective	Satisfies the Math General Education Area
MS101	3	Lower Level Elective	
MS102	2	Lower Level Elective	
MS201	3	Lower Level Elective	
MS202	2	Lower Level Elective	
MS225	1	Lower Level Elective	
MS226	1	Lower Level Elective	
MS220	1	Lower Level Elective	
MS221	2	Lower Level Elective	
MS222	4	Lower Level Elective	
MS223	4	Lower Level Elective	
MS224	1	Lower Level Elective	
MS215	3	Lower Level Elective	
MS218	3	Lower Level Elective	
MS211	3	Lower Level Elective	
PH010	1	Lower Level Elective	
EN101	3	Lower Level Elective	
EN102 or EN109	3	Lower Level Elective	Satisfies the English Composition General Education Area
PY102	3	Lower Level Elective	Satisfies the Social and Behavioral Science General Education Area
HS or PL	3	Lower Level Elective	Satisfies the Humanities Distribution (General Education Area) and satisfies the UB History or Philosophy Requirement.
SP108 or SP112 or SP212	3	Lower Level Elective	Satisfies the Speech Foundation, General Education Area
<b>TOTAL</b>	<b>71*</b>		

\*A maximum of 60 credits will transfer to UB

## APPENDIX IC- COURSE ARTICULATIONS (Diagnostic Medical Sonography – Vascular Track)

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

### Course to course articulation, including General Education

MC Course	Credits	UB Equivalent	Explanation/Notes
BI107 or BI101 (Prerequisite)	4	Lower Level Elective	Satisfies the Science General Education Area
BI204	4	Lower Level Elective	Satisfies the Science General Education Area
BI205	4	Lower Level Elective	
HI125	2	Lower Level Elective	
HI126	2	Lower Level Elective	
HI135	3	Lower Level Elective	
MA110 OR HIGHER	3	Lower Level Elective	Satisfies the Math General Education Area
MS101	3	Lower Level Elective	
MS102	2	Lower Level Elective	
MS201	3	Lower Level Elective	
MS202	2	Lower Level Elective	
MS220	1	Lower Level Elective	
MS221	2	Lower Level Elective	
MS222	4	Lower Level Elective	
MS223	4	Lower Level Elective	
MS224	1	Lower Level Elective	
MS216	3	Lower Level Elective	
MS225	1	Lower Level Elective	
MS226	1	Lower Level Elective	
MS219	3	Lower Level Elective	
PH010	1	Lower Level Elective	
EN101	3	Lower Level Elective	
EN102 or EN109	3	Lower Level Elective	Satisfies the English Composition General Education Area
PY102	3	Lower Level Elective	Satisfies the Social and Behavioral Science General Education Area
HS or PL	3	Lower Level Elective	Satisfies the Humanities Distribution (General Education Area) and satisfies the UB History or Philosophy Requirement.
SP108 or SP112 or SP212	3	Lower Level Elective	Satisfies the Speech Foundation, General Education Area
<b>TOTAL</b>	<b>68*</b>		

\*A maximum of 60 credits will transfer to UB

## APPENDIX II : UPPER DIVISION REQUIREMENTS

All MC transfer students will be required to take a minimum of 60 credits of upper division coursework at UB.

Completion of the Health Systems Management program at UB requires students to successfully complete the following course work:

Course Number	Course Title	Credit Hours	Explanation
<b>Upper Division General Education Core Requirements (9 Credits)</b>			
IDIS300	Ideas in Writing	3	
IDIS302	Ethical Issues in Business and Society	3	
IDIS304 or IDIS301	Arts and Ideas or World Cultures	3	IDIS304 (Arts and Ideas) will meet the lower division fine arts general education requirement, if necessary
<b>Program Requirements (42 Credits)</b>			
HSMG300	Health Indicators	3	
HSMG370	Overview of Health-Care Delivery Systems	3	
HSMG371	Principles of Health Care Management I	3	
HSMG372	Principles of Health Care Management II	3	
HSMG373	Health Policy and Politics	3	
HSMG374	Epidemiology	3	
HSMG475	Managed Care I	3	
HSMG477	Health Care Law and Risk Management	3	
HSMG492	Internship	3	
HSMG498	Strategic Management in Health Care	3	
HSMG 490 OR HSMG491	Survey Research or Health Planning	3	
ACCT201	Introduction to Financial Accounting	3	
ECON300	Principles of Economics	3	Satisfies the Social and Behavioral Science General Education Area
FIN331 OR MKTG301	Financial Management or Marketing Management	3	
<b>Additional Electives (9 credits)</b>			
Literature		3	Satisfies the UB Literature Requirement
General Elective		6	APST308 or INSS300 or HSMG476 Recommended
Students will need to take the Computer Literacy Exam, or an equivalent course.			
Total to be taken at UB:		60	

**Montgomery College/University of Baltimore Articulated Program  
AAS in Diagnostic Medical Sonography / BS in Health System Management**

---

Thank you for your interest in the articulated academic plan for Diagnostic Medical Sonography: **General Track**. Successful completion of this program will ensure a smooth transition to the University of Baltimore, and ultimately, to a **B.S. in Health Systems Management**.

**Courses to take at Montgomery College:**

Course	Credit	Completed
BI107 or BI101 (Prerequisite)	4	
BI204	4	
BI205	4	
HI125	2	
HI126	2	
HI135	3	
MA110 OR HIGHER	3	
MS101	3	
MS102	2	
MS201	3	
MS202	2	
MS220	1	
MS221	2	
MS222	4	
MS223	4	
MS224	1	
MS225	1	
MS226	1	
MS112	3	
MS113	3	
MS212	3	
MS213	3	
MS210	1	
PH010	1	
EN101	3	
EN102 or EN109	3	
PY102	3	
HS or PL	3	
SP108 or SP112 or SP212	3	
<b>TOTAL</b>	<b>75*</b>	

*\*A maximum of 60 credits will be accepted towards the degree program at the University of Baltimore. For additional information, please contact an Academic Advisor at the University.*

**APPLYING TO UB**

**Application Deadlines:**

*Fall Semester: August 1  
Spring Semester: December 1  
Summer Semester: May 1*

Completed applications can also be considered after these dates if you meet admission standards and space is available.

**To be admitted, you will need to have the following Grade Point Average (GPA) requirements:**

*With 56 or more credits, a 2.0 GPA  
With 42 to 55 credits, a 2.3 GPA  
With 24 to 41 credits, a 2.5 GPA*

**Application fees:**

\$30 Online  
\$45 Paper  
\$60 After Deadline

**Financial Aid Information:**

*FAFSA Deadline: March 1*

**For more information:** Call the Admissions office at 1-877-ApplyUB, via email at admissions@ubalt.edu or visit us online at www.ubalt.edu.

**Montgomery College/University of Baltimore Articulated Program  
AAS in Diagnostic Medical Sonography / BS in Health System Management**

---

Thank you for your interest in the articulated academic plan for Diagnostic Medical Sonography: **Echocardiography Track**. Successful completion of this program will ensure a smooth transition to the University of Baltimore, and ultimately, to a **B.S. in Health Systems Management**.

**Courses to take at Montgomery College:**

<b>Course</b>	<b>Credit</b>	<b>Completed</b>
BI107 or BI101 (Prerequisite)	4	
BI204	4	
BI205	4	
HI125	2	
HI126	2	
HI135	3	
MA110 OR HIGHER	3	
MS101	3	
MS102	2	
MS201	3	
MS202	2	
MS225	1	
MS226	1	
MS220	1	
MS221	2	
MS222	4	
MS223	4	
MS224	1	
MS215	3	
MS218	3	
MS211	3	
PH010	1	
EN101	3	
EN102 or EN109	3	
PY102	3	
HS or PL	3	
SP108 or SP112 or SP212	3	
<b>TOTAL</b>	<b>71*</b>	

*\*A maximum of 60 credits will be accepted towards the degree program at the University of Baltimore. For additional information, please contact an Academic Advisor at the University.*

**APPLYING TO UB**

**Application Deadlines:**

*Fall Semester: August 1  
Spring Semester: December 1  
Summer Semester: May 1*

Completed applications can also be considered after these dates if you meet admission standards and space is available.

**To be admitted, you will need to have the following Grade Point Average (GPA) requirements:**

*With 56 or more credits, a 2.0 GPA  
With 42 to 55 credits, a 2.3 GPA  
With 24 to 41 credits, a 2.5 GPA*

**Application fees:**

\$30 Online  
\$45 Paper  
\$60 After Deadline

**Financial Aid Information:**

*FAFSA Deadline: March 1*

**For more information:** Call the Admissions office at 1-877-ApplyUB, via email at [admissions@ubalt.edu](mailto:admissions@ubalt.edu) or visit us online at [www.ubalt.edu](http://www.ubalt.edu).

**Montgomery College/University of Baltimore Articulated Program  
AAS in Diagnostic Medical Sonography / BS in Health System Management**

---

Thank you for your interest in the articulated academic plan for Diagnostic Medical Sonography: **Vascular Track**. Successful completion of this program will ensure a smooth transition to the University of Baltimore, and ultimately, to a **B.S. in Health Systems Management**.

**Courses to take at Montgomery College:**

<b>Course</b>	<b>Credit</b>	<b>Completed</b>
BI107 or BI101 (Prerequisite)	4	
BI204	4	
BI205	4	
HI125	2	
HI126	2	
HI135	3	
MA110 OR HIGHER	3	
MS101	3	
MS102	2	
MS201	3	
MS202	2	
MS220	1	
MS221	2	
MS222	4	
MS223	4	
MS224	1	
MS216	3	
MS225	1	
MS226	1	
MS219	3	
PH010	1	
EN101	3	
EN102 or EN109	3	
PY102	3	
HS or PL	3	
SP108 or SP112 or SP212	3	
<b>TOTAL</b>	<b>68*</b>	

*\*A maximum of 60 credits will be accepted towards the degree program at the University of Baltimore. For additional information, please contact an Academic Advisor at the University.*

**APPLYING TO UB**

**Application Deadlines:**

*Fall Semester: August 1  
Spring Semester: December 1  
Summer Semester: May 1*

Completed applications can also be considered after these dates if you meet admission standards and space is available.

**To be admitted, you will need to have the following Grade Point Average (GPA) requirements:**

*With 56 or more credits, a 2.0 GPA  
With 42 to 55 credits, a 2.3 GPA  
With 24 to 41 credits, a 2.5 GPA*

**Application fees:**

\$30 Online  
\$45 Paper  
\$60 After Deadline

**Financial Aid Information:**

*FAFSA Deadline: March 1*

**For more information:** Call the Admissions office at 1-877-ApplyUB, via email at admissions@ubalt.edu or visit us online at www.ubalt.edu.