

Harford Community College
Associate of Sciences in Information Systems Management
&
 University of Baltimore
Bachelor of Science in Management Information Systems

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

Course-to-course articulation (including General Education)

HCC Course	Credits	UB Equivalent	Harford Requirements	UB Requirements
ENG 101	3	Lower Level Elective	Satisfies English Composition (GE)	
BA 101	3	Lower Level Elective		
Behavioral/Social Science Elective	3	Lower Level Elective	Satisfies Behavioral/Social Science Elective (GB)	History Recommended
Bio/Phys Lab Science	4	Lower Level Elective	Satisfies Biological/Physical Lab Science (GL)	
Bio/Phys Science	3	Lower Level Elective	Satisfies Bio/Phys. Science General Education (GS)	
MATH 111 or 109 or 101	3-4	MATH 111	Satisfies Math General Education (GM)	Business Requirement
MATH 216	4	APST287		Business Requirement
Arts/Humanities elective *	6	Lower Level Elective	Satisfies Arts and Humanities General Education (GH)	A Literature course satisfies the UB Graduation Requirement (ENG214, 215, 219 , 233 or 234 recommended)
BA 109	3	BULA151		Business Requirement
CIS 102	3	Lower Level Elective		Satisfies the UB Graduation Requirement
CIS 111 or CIS 205	4	Lower Level Elective		
CIS 115	3	INSS209		Business Requirement
CIS 203	3	Lower Level Elective		
CIS 207 or 221	4	Lower Level Elective		
ECON 102	3	Lower Level Elective	Satisfies Behavioral/Social Science Elective (GB)	
ECON 101	3	ECON300		Business Requirement
ACCT 101	3	ACCT201		Business Requirement
ACCT 102	3	ACCT202		Business Requirement
Physical Education elective	1	Lower Level Elective		
Physical Education Fitness elective	1	Lower Level Elective		
TOTAL	63-64			

NOTE: HCC Associate degree students must complete one 3-credit Diversity course. It is recommended that students select a course (**GH:** Arts & Humanities or **GB:** Behavioral/Social Sciences) that also meets the Diversity requirement. For more information, please refer to the most current edition of the *HCC Catalog*.

* **GH:** Arts & Humanities must be chosen from two different disciplines.

APPENDIX II: UPPER DIVISION REQUIREMENTS (2007 Catalog Year)

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

Completion of the Business Administration degree program at UB requires students to successfully complete the following course work:

Course Number	Course Title	Credit Hours	Explanation
Upper Division General Education Core Requirements (6 Credits)			
IDIS300	Ideas in Writing	3	
IDIS302	Ethical Issues in Business and Society	3	
Business Core Requirements (24 Credits)			
INSS300	Management Information Systems	3	
MGMT300	Human Resources	3	
MGMT301	Organizational Behavior	3	
OPRE315	Business Applications of Decision Science	3	
Choose 4 of the following:			
MGMT302	Global Business Environment	3	
MGMT339	Process and Operations Management	3	
MKTG301	Marketing Management	3	
OPRE330	Statistical Data Analysis	3	
ECON305	Managerial Economics	3	
ENTR300	Principles of Entrepreneurship	3	
FIN331	Financial Management	3	
MIS Required Courses (21 Credits)			
INSS315	Information Technology	3	
INSS327	Program Design and Data Structure	3	
INSS406	Systems Analysis and Logical Design	3	
INSS421	Design of Database Management Systems	3	
INSS427	Business Data Communications	3	
INSS 460	Component-Oriented Programming	3	
INSS490	MIS Capstone Project	3	
MIS Elective Courses (9 credits)			
INSS401	Internet and Business	3	
INSS431	Electronic Commerce	3	
INSS452	Web Server Management and CGI Programming	3	
INSS453	Internet and Network Security	3	
INSS454	Operating Systems	3	
INSS495	Internship in MIS	1-3	
INSS497	Special Topics	3	
INSS499	Independent Study	3	
Total to be taken at UB:		60	