

HARFORD COMMUNITY COLLEGE/COMPUTER INFORMATION SYSTEMS A.A.S. DEGREE
TOWSON UNIVERSITY/INFORMATION TECHNOLOGY B.S. DEGREE

HARFORD COMMUNITY COLLEGE			TOWSON UNIVERSITY			
COURSE #	COURSE TITLE	CRS.	TU EQUIVALENCY	GenEd	COMMENTS	COURSE ID#
ENG 101	English Composition	3	ENGL 102	IA	English Composition	2348
CIS 102	Introduction to Information Sciences	3	COSC 111	IB	Using Information Effectively	1328
MATH 101 <i>OR</i>	College Algebra <i>OR</i>	3-4	MATH LLE	IC	Mathematics	10488
MATH 109 <i>OR</i>	Precalculus Math <i>OR</i>		MATH 119			4381
MATH 111 <i>OR</i>	Introduction to Finite Math <i>OR</i>		MATH 111			4376
MATH 203 <i>OR</i>	Calculus I <i>OR</i>		MATH 273			4407
MATH 207	Calculus for Business & Economics		MATH 211			4389
				ID	Advanced Composition	
				IE	Creativity & Creative Development	
BIO/PHY	Biology/Physical Science Lab (GL)	4	Depends on choice.	IIA	Scientific Inquiry	
				IIA	Scientific Inquiry	
A/H	Arts & Humanities (GH)	3	Depends on choice.	IIB1	Arts & Humanities	
				IIB3	Contemporary Issues	
				IIC1	Arts & Humanities	
BH/SS	Behavioral/Social Science (GB)	3	Depends on choice.	IIC2	Social & Behavioral Sciences	
				IIC2	Social & Behavioral Sciences	
GE Elective	General Education Elective (Diversity)	3	Depends on choice.	IIC3	Cultural Plurality & Diversity	
				IID	Global Awareness	
Total GenEd in Transfer		22-23				
ACCT 101	Accounting Principles I	3	ACCT 201			4
ACCT 102	Accounting Principles II	3	ACCT 201			5
CIS 135	Introduction to Networks	3	CIS 350	Equivalency for this agreement - transfers as lower level credit		13020
CIS 205	Intro. to Visual Basic.NET Programming	4	CIS 265			1348
CIS 115	Fundamentals of Programming	3	COSC 175			1335
CIS203	Computer Systems & Procedures	3	CIS 211			1185
CIS 221	C++ Programming Language	4	COSC 236			1344
CIS 273 <i>OR</i>	Cooperative Education <i>OR</i>	3-4	Depends on choice.			
CSI/CIS	CSI/CIS Elective					
ENG 209	Technical Writing	3	ENGL TLL	No equivalency		10267
CIS 111	C Programming Language	4	COSC TLL			10186
CIS217	Introduction to Web Programming	3	ITEC 231	Programming elective at Harford		12826
	Software Elective	3-4	Depends on choice.			
PE	Physical Education Fitness Elective	1	PHEA TLL			10564
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Total Program Requirements		41-43				
Total Program Requirements at Harford		63-66				
Total Credits in Transfer		64				

- 64 credit transfer maximum. 22-24 GenEd credits must be completed at Towson University: I.D, I.E, II.A (4-6 credits), II.B.3, II.C.1, II.C.2 and II.D.

Program Requirements to be completed at Towson

•	<u>Required Courses:</u>	<u>(21 credits)</u>	
	CIS 377	Information Systems Security	(3)
	CIS 435	Human computer Interaction	(3)
	COSC 418	Ethics & Societal Concerns of Computer Scientists	(3) (II.A Scientific Inquiry)
	ITEC 315	Data & Information Management	(3)
	ITEC 325	System Administration & Maintenance	(3)
	ITEC 411	System Architecture & Integration	(3)
	ITEC 485	Information Technology Capstone	(3)
•	<u>Elective Courses</u>	<u>(12 credits)</u>	
	(Choose 4 courses from the following :)		
	CIS 425	Decision Support Systems	
	CIS 440	Systems Development for E-Commerce	
	CIS 445	Universal Usability	
	CIS 475	Analysis/Design for Web Sites	
	ITEC 3xx	Legal & Policy Issues in IT	
	ITEC 3xx	Advanced Web Technologies	
	ITEC 3xx	Script Programming	
	ITEC 397	Internship in Information Technology	
	ITEC 4xx	Emerging IT	
	ITEC 4xx	Advanced Data Management & Analysis	
	ITEC 4xx	IT Enterprise Architecture	
	ITEC 470	Special Topics in Information Technology	
	ITEC 495	Independent Study in Information Technology	
•	<u>Required GenEd Courses</u>	<u>(3 credits)</u>	
	ENGL 317	Writing for Business & Industry	(3) (I.D Advanced Writing Seminar)
	<u>Total Credits to B.S. Degree</u>	<u>(120 credits)</u>	
	Harford Community College Computer Information Systems A.A.S. Degree	63-64	
	Program Requirements at Towson University	33	
	GenEd Requirements at Towson University	21-22	
	Electives	1-3	