

HARFORD COMMUNITY COLLEGE - COMPUTER SCIENCE A. S  
TOWSON UNIVERSITY - 2 + 2 COMPUTER INFORMATION SYSTEMS B.S.

HARFORD COMMUNITY COLLEGE			TOWSON UNIVERSITY			
COURSE #	COURSE TITLE	CRS.	TU EQUIVALENCY	GenEd	COMMENTS	COURSE ID#
ENG 101	English Composition	3	ENGL 102	IA		2348
				IB	COSC 111 at TU meets this requirement.	
MATH 203	Calculus I	4	MATH 273	IC		4407
				ID	ENGL 317 at TU meets this requirement.	
				IE		
BIO/PHSC	Biology/Physical Science Elective	4		IIA	Equivalency depends on choice.	
BIO/PHSC	Biology/Physical Science Elective	4		IIA	Equivalency depends on choice.	
A & H	Arts & Humanities Elective	3		IIB1	Equivalency depends on choice.	
				IIB3	Contemporary Issues	
A & H	Arts & Humanities Elective`	3		IIC1	Equivalency depends on choice.	
ECON 102	Microeconomics	3	ECON 201	IIC2		1788
B/SS	Behavioral/Social Science	3		IIC2	Must be a discipline other than Economics.	
				IIC3	Creativity & Creative Development	
				IID	Global Awareness	
<b>GenEd in Transfer</b>		<b>27</b>				
CIS 111	C Programming Language	4	COSC TLL			10186
CIS 115	Fundamentals of Programming	3	COSC 175			1335
CIS 205	Intro. To Visual Basic.NET Programming	4	COSC 265			1334
CIS 201	Assembly Programming Language	4	COSC 280			1349
CIS 221	C++ Programming	4	COSC TLL			10186
CSI 131	Computer Science I	4	COSC 236			1344
CSI 132	Computer Science II	4	COSC 237			1345
MATH 204	Calculus II	4	MATH 274			4408
MATH 216	Introduction to Statistics	4	MATH 231			4393
MATH 210	Discrete Structures	3	MATH263			4401
	Physical Education Fitness Elective	1	PHEA TLL			10564
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<b>Program Requirements</b>		<b>40</b>				
<b>Total Units in Transfer</b>		<b>67</b>				

70 credit transfer maximum.

An additional 18 GenEd credits must be completed at Towson University.

**TOTAL CREDITS TO B.S. DEGREE: 124**

Transfer Credits from Harford Community College: **67**

GenEd to be completed at Towson University: **18**

**(I.B, I.D, I.E, II.B.3, and II.D)**

COSC 111	Information & Technology for Business	(3)	GenEd I.B
ENGL 317	Writing for Business & Industry	(3)	GenEd I.D

Program Requirements at Towson University: **39**

CIS 211	Fund. Of Info Systems & Technology	(3)
CIS 334	Data Organization	(3)
COSC 418	Ethical & Societal Concerns	(3)
ECON 202	Macroeconomics	(3)
CIS 379	Systems Analysis & Design	(3)
CIS 458	Organizational Database Management	(3)
COSC 350	Data Communications & Networking	(3)
CIS 479	Software Project Management	(3)
CIS	Upper-level electives	(6)
	Upper-level business electives	(6)

Choose one of the following: (3)

CIS 435	Human-Computer Interaction
CIS 440	Systems Development for Electronic Commerce
CIS 475	Analysis & Design for Web Sites