

HARFORD COMMUNITY COLLEGE COMPUTER SCIENCE A.S.
TOWSON UNIVERSITY 2 + 2 COMPUTER SCIENCE B.S. - COMPUTER SECURITY TRACK

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	Using Information Effectively	
MATH 203	Calculus I	4	MATH 273	IC		4407
				ID	Advanced Composition	
				IE	Creativity & Creative Development	
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.	
B/SS	Behavioral/Social Science Elective	3		IIC2	Equivalency depends on choice.	
B/SS	Behavioral/Social Science Elective	3		IIC2	Equivalency depends on choice.	
				IIC3	Cultural Plurality & Diversity	
				IID	Global Awareness	
GenEd in Transfer		27				
CIS 111	C Programming Language	4	COSC TLL			10186
CIS 115	Fundamentals of Programming	3	COSC 175			1335
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 206	Calculus III	4	MATH 275			4409
Or Math 217	Or Linear Algebra		Or MATH 265			4403
MATH 216	Introduction to Statistics	4	MATH 231		Will be used to satisfy MATH 330 requirement.	4393
MATH 210	Discrete Structures	3	MATH263			4401
	Physical Education Fitness Elective	1	PHEA TLL			10564
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Program Requirements		40				
Total Units in Transfer		67				

- 70 credit transfer maximum.
- An additional 18 GenEd credits must be completed at Towson University.

Harford Computer Science A.S.: 67

GenEd to be completed at Towson University: 18

(I.B, I.D, I.E, II.B.3, II.C.3, II.D)

COMM 131 Fundamentals of Speech Communication (3)

GenEd II.B.3 - Strongly Recommended

Program requirements at Towson University: 42

- > COSC 336 Data Structures & Algorithm Analysis (4)
- > COSC 338 Computer Organization & Architecture (4)
- > COSC 418 Ethical & Societal Concerns (3)
- > COSC 350 Computer Networks (3)
- > COSC 457 Database Management Systems (3)
- > COSC 439 Operating Systems (3)
- > MATH 314 Cryptography (3)
- > COSC 455 Prog. Languages: Design & Implementation (3)
- > COSC 450 Network Security (3)
- > COSC 440 Operating Systems Security (3)
- > COSC 458 Application Software Security (3)
- > COSC 481 Case Studies (3)
- > Lab Science Course (4)