

HARFORD COMMUNITY COLLEGE - CHEMISTRY A.S. DEGREE (Non-Calculus Based Physics)
TOWSON UNIVERSITY 2 + 2 FORENSIC CHEMISTRY (Trace Evidence/Drug Analysis Track) B.S. Degree

HARFORD COMMUNITY COLLEGE			TOWSON UNIVERSITY			
COURSE #	COURSE TITLE	CRS.	TU EQUIVALENCY	GenEd	COMMENTS	COURSE ID#
ENG 101	College Composition	3	ENGL 102	IA		2348
CIS 102	Intro. Information Sciences	3	CIS 115	IB		11642
MATH 109	Precalculus Mathematics	4	MATH 119	IC		4381
				ID	Advanced Composition (Upper Level) Creativity & Creative Development	
				IE		
CHEM 111	General Chemistry I	4	CHEM 110	IIA		1041
CHEM 112	General Chemistry II	4	CHEM 111	IIA		1042
GH	Arts & Humanities	3	Depends on choice.	IIB1		
PHIL 205	Ethics (GH)	3	PHIL 253	IIB3	Transfers as IIB3-10T Or Transfers as IIB3-10T	6548
Or PHIL 221	Business Ethics (GH)		PHIL TLL			10434
Or PHIL 220	Bioethics (GH)		PHIL TLL			10434
ENG 109	Research Writing		3			ENGL 152
GB	Behavioral/Social Science Elective	3	Depends on choice.	IIC2		
CJ 101	**Intro. Criminal Justice	3**	CRMJ 254	IIC2		7729
				IIC3	Cultural Plurality & Diversity	
ANTH 102	Intro. to Cultural Anthropology	3	ANTH 207	IID		109
	TOTAL GenEds	36				
MATH 203	Calculus I	4	MATH 273			4407
MATH 216	Statistics	4	MATH 231			4393
PHYS 101	Introductory Physics I	4	PHYS 211			6800
PHYS 102	Introductory Physics II	4	PHYS 212			6801
CHEM 207	Organic Chemistry I	4	CHEM 331		Transfers as lower level credit.	10134
CHEM 208	Organic Chemistry II	4	CHEM 332		Transfers as lower level credit.	10135
BIO 120	General Biology	4	BIOL 201			666
	Physical Education Elective	1	PHEA TLL			10564
	Physical Education/Fitness Elective	1	PHEA TLL			10564
	PROGRAM REQUIREMENTS	30				
	Total Harford Program Requirements	66				
	TOTAL CREDITS IN TRANSFER	64				

- MATH 203 must be completed at Harford Community College
- If PHYS 203/204 is substituted for PHYS 101/102 at Harford Community College then MATH 203 and 204 must also be completed at HCC.
- **Students must complete a "Course Substitution Appeal Form" through the Records and Registration Office at Harford Community College to substitute this course for the General Education elective.
- 64 credit transfer maximum.
- 9 GenEd credits to be completed at Towson: I.D, I.E and II.C.3.

• **Major Requirements to be completed at Towson (50 Units)**

ANTH 357	Introduction to Forensic Crime Analysis	(3)	
ANTH 457	Advanced Forensic Crime Investigation	(3)	
CHEM 210	Introduction to Analytical Chemistry	(5)	
CHEM 301	Professional Ethics for Scientists	(3)	Satisfies GenEd I.D requirement (Advance Writing)
CHEM 310	Instrumentation in Analytical Chemistry	(3)	
CHEM 323	Inorganic Chemistry	(4)	
CHEM 345	Principles of Physical Chemistry	(3)	
CHEM 351	Biochemistry I	(3)	
CHEM 372	Intermediate Lab	(1)	
CHEM 480	Chemical Toxicology	(3)	
COSC 175	General Computer Science	(4)	
FRSC 363	Chemistry of Dangerous Drugs	(3)	
FRSC 367	Forensic Chemistry	(3)	
FRSC 368	Professional Practices in Forensic Science	(3)	
FRSC 440	Forensic Biochemistry, Emergency Medicine & Death Analysis	(3)	
SOCI 370	Criminal Law	(3)	

• **Total Credits to B.S. Degree (120)**

Harford Chemistry A.S. Degree	64
Completion of GenEd at TU	6
Completion of Major Requirements at TU	50