

HARFORD COMMUNITY COLLEGE - CHEMISTRY A.S. DEGREE
TOWSON UNIVERSITY 2 + 2 CHEMISTRY (FORENSIC CHEMISTRY)

HARFORD COMMUNITY COLLEGE			TOWSON UNIVERSITY			
COURSE #	COURSE TITLE	CRS.	TU EQUIVALENCY	GenEd	COMMENTS	COURSE ID#
ENG 101	College Composition	3	ENGL 102	IA		2348
ENG 109	Research Writing	3	ENGL 152	IB		2352
MATH 109 Or MATH 203	Precalculus Mathematics Or Calculus I	4	MATH 119 Or MATH 273	IC		4381 4407
				ID	Advanced Upper-Level Writing Course	
CMST 101	Speech Fundamentals	3	COMM 131	IE		11624
CHEM 111	General Chemistry I	4	CHEM 110	IIA		1041
CHEM 112	General Chemistry II	4	CHEM 111	IIA		1042
	Arts & Humanities	3		IIB1	Equivalency depends on choice.	
PHIL 205 Or PHIL 221	Ethics Or Business Ethics	3	PHIL 253 Or PHIL TLL	IIB3	Transfers as IIB-10T	6548 10434
				IIC1	Arts and Humanities	
PSY 101	Introduction to Psychology	3	PSYC 101	IIC2		7117
SOC 101 or PS 106	Introduction to Sociology or Introduction to Law	3	SOCI 101 or POSC 209	IIC2		7715 or 6924
				IIC3	Cultural Plurality & Diversity	
				IID	Global Awareness	
	TOTAL GenEds	33				
MATH 203 Or MATH 204 Or GenEd	Calculus I Or Calculus II Or General Education Elective	3-4	MATH 273 Or MATH 274 Or GenEd Elective		GenEd placement and/or equivalency depends on choice.	4407 4408
PHYS 203 Or CIS 102	General Physics: Mech/Part Dynamics Or Intro. Information Sciences	3	PHYS 241 Or CIS 115			6805 1184
MATH 216	Statistics	4	MATH 231			4393
PHYS 101 Or PHYS 204	Introductory Physics I Or General Physics: Vib/Wave/Heat/Elec	4	PHYS 211 Or PHYS 242			6800 6806
PHYS 102 Or CIS 102	Introductory Physics II Or Intro. Information Sciences	3-4	PHYS 212 Or CIS 115			6801 1184
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	31-33				

- CIS 102 must be completed at Harford Community College
- MATH 203 must be completed at Harford Community College
- MATH 204 is required for PHYS 203 and PHYS 204 sequence at Harford Community College
- PHYS 101/102 SEQUENCE or PHYS 203/204 sequence must be completed AT Harford Community College.
- 70 credit transfer maximum.
- GenEds to be completed at Towson (12 Units): I.D, II.C.1, II.C.3, and II.D.

Major Requirements to be completed at Towson (40 Units)

Forensic Chemistry

BIOL 309	Principles of Genetics	(4)
BIOL 409	Molecular Biology	(3)
BIOL 410	Molecular Biology Laboratory	(2)

CHEM 210	Introduction to Analytical Chemistry	(4)
CHEM 301	Professional Ethics for Scientists	(3)
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 363	Chemistry of Dangerous Drugs	(3)
CHEM 367	Forensic Chemistry	(3)
CHEM 395	Internship in Chemistry	(2)
CHEM 480	Chemical Toxicology	(3)

Satisfies GenEd I.D requirement (Advance Writing)

Forensic Science units to be completed at University of Baltimore (13 Units)

FRSC 302	Forensic Documentation	(3)
FRSC 307	Forensic Scene Investigation	(3)
FRSC 400	Laboratory Safety & Quality Assurance	(4)
FRSC 482	Moot Court & Trial Advocacy for Forensics	(3)

Total Credits to B.S. Degree

Harford Chemistry A.S. Degree	64-66
Completion of GenEd at TU	12
Completion of Major Requirements at TU	40
Completion of FRSC courses at UB	13