

**HARFORD COMMUNITY COLLEGE/PHYSICS A.S. DEGREE
TOWSON UNIVERSITY/PHYSICS: General Physics Concentration B.S. DEGREE**

HARFORD COMMUNITY COLLEGE		TOWSON UNIVERSITY				
COURSE #	COURSE TITLE	CRS	TU EQUIVALENCY	CORE	COMMENTS	COURSE ID#
ENG 101	English Composition (GE) (grade of C or better)	3	TSEM 102 Waived	1.	Towson Seminar	
MATH 203	Calculus I (GM)	4	ENGL 102	2.	English Composition	2348
CIS 102 *	Introduction to Information Science (GI)	3	MATH 273	3.	Mathematics	4407
GH	Arts & Humanities (GH)	3	COSC 111	4.	Creativity & Creative Development	13369
GB	Behavioral & Social Science (GB)	3	Depends on choice.	5.	Arts & Humanities	
CHEM 111	General Chemistry I (GL)	4	Depends on choice.	6.	Social & Behavioral Sciences	
CHEM 112	General Chemistry II A. (GL)	4	CHEM 131/131L	7.	Biological & Physical Science w/Lab	13097/13098
			CHEM 132/132L	8.	Biological & Physical Science	13099/13100
GH**	Arts & Humanities (GH)	3		10.	Advanced Writing Seminar	
GB**	Behavioral & Social Science (GB)	3	Depends on choice.	11.	Metropolitan Perspectives	
ELECTIVE***	General Elective	3	Depends on choice.	12.	The United States as a Nation	
			Depends on choice.	13.	Global Perspectives	
				14.	Diversity & Difference	
					Ethical Issues & Perspectives	
Total CORE in Transfer		33				
MATH 204	Calculus II (GM)	4	MATH 274			4408
MATH 206	Calculus III	4	MATH 275			4409
MATH 217	Linear Algebra	4	MATH 265			4403
MATH 208	Elementary Differential Equations	3	MATH T74 (374)		Transfers as lower-level credit.	10493
PHYS 200/203****	Gen Phys: Mechanics & Particle Dynamics w/lab (GL/GS)	4	PHYS 241			6805
PHYS 204	Gen Phys: Vibrations, Waves, Heat, Electricity & Magnetism (GL)	4	PHYS 242			6806
PHYS 205	Gen Phys: Electrodynamics, Light Relativity & Modern Physics	4	PHYS 243			6807
	Physical Education Elective	1	PHEA TLL			10564
Program Requirements at Harford		28				
Total Program Requirements at Harford		61				
Maximum Credits in Transfer		64				

64 credit transfer maximum. 9 Core Curriculum units must be completed at Towson University: 9. Advanced Writing Seminar; 10. Metropolitan Perspectives and 14. Ethical Issues and Perspectives.

*Students should choose CIS 102 as their CIS Elective to satisfy a Core requirement at TU. Students who do not choose CIS 102 will be required to take a Core 4 course at TU.

** One GB or GH course must also satisfy Diversity requirement at HCC.

***Students should choose a General Education course as their General Elective to satisfy Core requirements. Students who do not choose a General Education course may need to take an additional Core class at TU.

****Students must take PHYS 200 with PHYS 203 to receive equivalency of PHYS 241 and to satisfy the major requirement at TU.

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Additional Bachelor Degree Requirements

- A C (2.0) or higher is required in all major and minor courses
- A cumulative grade point average (GPA) of 2.0 is required
- 32 units of the bachelor's degree must be completed at the upper level (courses numbered 300 or above)

<u>Total Credits to B.S. Degree</u>	(120)
Harford Biology A.S. Degree	61
Completion of Core at TU	9-12
Completion of Major Requirements at TU	45
Elective Credits at TU	2-5