

**HARFORD COMMUNITY COLLEGE GENERAL STUDIES A.A. DEGREE****TOWSON UNIVERSITY MATHEMATICS: ACTUARIAL SCIENCE & RISK MANAGEMENT CONCENTRATION B.S. DEGREE**

HARFORD COMMUNITY COLLEGE			TOWSON UNIVERSITY			
COURSE #	COURSE TITLE	CRS.	TU EQUIVALENCY	CORE	COMMENTS	COURSE ID#
				1.	Towson Seminar	
ENG 101	English Composition	3	ENGL 102	2.	English Composition	2348
MATH 203	Calculus I	4	MATH 273	3.	Mathematics	4407
(GH)**	Arts/Humanities Elective (GH)	3	Depends on choice.	4.	Creativity & Creative Development	
CMST 101	Speech Fundamentals	3	COMM 131	5.	Arts & Humanities	1221
ECON 102	Microeconomics	3	ECON 201	6.	Social & Behavioral Sciences	1788
(GL)	Bio./Phys. Lab Science Elective (GL)	4	Depends on choice.	7.	Biological & Physical Science w/Lab	
(GS/GL)	Bio./Phys. Science Elective (GS)	3-4	Depends on choice.	8.	Biological & Physical Science	
				9.	Advanced Writing Seminar	
(GB)**	Behavioral/Social Science Elective (GB)	3	Depends on choice.	10.	Metropolitan Perspectives	
HLTH 101	Contemporary Health Issues (GI)	3	HLTH 101	11.	The United States as a Nation	3624
(GH)**	Arts & Humanities Elective (GH)	3	Depends on choice.	12.	Global Perspectives	
(D)***	Diversity Elective	3	Depends on choice.	13.	Diversity & Difference	
				14.	Ethical Issues & Perspectives	
<b>Total CORE in Transfer</b>		<b>35-36</b>				
ACCT 101	Accounting Principles I	3	ACCT 201			4
ACCT 102	Accounting Principles II	3	ACCT 202			5
CSI 131	Computer Science I	4	COSC 236	Equivalency exception for this program.		1344
ECON 101	Macroeconomics	3	ECON 202			1789
ENG 102 OR ENG 109	English Composition & Literature OR English Composition: Research Writing	3	ENGL TLL ENGL 152			10267 2352
HIST	History Elective (GB)	3	Depends on choice.			
MATH 204	Calculus II	4	MATH 274			4408
MATH 217	Linear Algebra	4	MATH 265			4403
PE	Physical Education Elective	1	PHEA TLL			10564
PE	Physical Education/Fitness Elective	1	PHEA TLL			10564
<b>Program Requirements at Harford</b>		<b>29</b>				
<b>Total Program Requirements at Harford</b>		<b>64-65</b>				
<b>Total Credits in Transfer</b>		<b>64*</b>				

\* **64** credit transfer maximum. **9** Core Curriculum units must be completed at Towson University: **1, 9 and 14.**

\*\* GB and GH choices must be from different disciplines. GB: choose other than ECON.

\*\*\* Choose from CORE 13 options that meet the General Studies program 3 cr. Diversity requirement: ENG 219, ENG 233, ENG 234, HIST 207, HIST 208, PSY 205

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FIN 331	Principles of Financial Management	(3)
FIN 333	Investments & Securities Analysis I	(3)
MATH 267	Introduction to Abstract Mathematics	(4)
MATH 275	Calculus III	(4)
MATH 312	Theory of Interest	(3)
MATH 331	Probability	(4)
MATH 332	Mathematical Statistics	(3)
MATH 337	Applied Regression & Time Series Analysis	(4)
MATH 369	Introduction to Abstract Algebra	(3)
MATH 438	Actuarial Models	(3)
MATH 439	Computational Probability Models	(3)
MATH 442	Actuarial Model Construction	(4)
MATH 485	Mathematical Finance	(3)
MATH 486	Risk Management & Financial Engineering	(3)
MATH 490	Senior Seminar in Mathematics	(3)

**Total Credits to B.S. Degree (123)**

Harford General Studies A.A. Degree	64	
Completion of Core Curriculum Requirements at TU	9	(ENGL 317 Writing for Business & Industry is recommended for Core 9.)
Program Requirements to be completed at TU	50	