

HARFORD COMMUNITY COLLEGE- **Biology A.S. Degree**TOWSON UNIVERSITY- **Biological Sciences B.S. Degree - Organismal Biology & Ecology Concentration**

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 Or MATH 203	Precalculus Mathematics Or Calculus I	4	MATH 119 Or MATH 273	IC		4381 4407
				ID	Advanced Upper-Level Writing Course	
				IE	Creativity and Creative Development	
CHEM 111	General Chemistry I	4	CHEM 110	IIA		1041
CHEM 112	General Chemistry II A	4	CHEM 111	IIA		1042
GH	Arts & Humanities	3	Depends on choice.	IIB1	Equivalency depends on choice.	
				IIB3	American Experience: Contemporary Issues	
GH	Arts & Humanities	3	Depends on choice.	IIC1		
GB	Behavioral/Social Science	3	Depends on choice.	IIC2		
GB	Behavioral/Social Science	3	Depends on choice.	IIC2		
				IIC3	Cultural Plurality & Diversity	
				IID	Global Awareness	
	TOTAL GenEds	30				
MATH 203 Or BIO 202	Calculus I Or Biodiversity (BIO elective at HCC)	3-4	MATH 273 Or BIOL 208			4407 11369
BIO 208	Genetics (BIO elective at HCC)	4	BIOL 309		Transfers as lower level credit.	11379
BIO 120	General Biology I	4	BIOL 201			666
BIO 121	General Biology II	4	BIOL 202			667
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
	Physical Education Elective	1	PHEA TLL			10564
	Physical Education/Fitness Elective	1	PHEA TLL			10564
	PROGRAM REQUIREMENTS	33-34				
	TOTAL CREDITS IN TRANSFER	63-64				

- Student must complete MATH 203 Calculus I at Harford Community College.
- **64** credit transfer maximum.
- 15 GenEd credits to be completed at Towson: I.D, I.E, II.B.3, II.C.3, and II.D.

Major Requirements to be completed at Towson for the Organismal Biology & Ecology Concentration

• BIOL 204	Educational and Career Planning	(1)	
Breadth Courses		(8-20)	
• BIOL 208	Biodiversity <i>OR</i>		
BIOL 205	General Botany <i>AND</i>	(3 or 8)	<i>(If BIO 202 Biodiversity is not completed at HCC)</i>
BIOL 207	General Zoology		
•	Choose one of the following:	(4)	
BIOL 405	Molecular Ecology		
BIOL 408	Cell Biology		
BIOL 409	Molecular Biology		
•	Choose one of the following:		
BIOL 213 & BIOL 214	Human Anatomy & Physiology I & II <i>OR</i>		
BIOL 325	Animal Physiology <i>OR</i>	(4-8)	
BIOL 436	Plant Physiology		
Elective Courses		(10-16)	
•	Ecology Elective	(4)	
	Choose one from: BIOL 310, 402, 406, 409		
•	Diversity Elective	(3-4)	
	Choose one from: BIOL 304, 331, 347, 351 353, 371, 413, 432, 439, 446, 447, 452, 455, 456, 458, 461, 467		
•	Organismal Elective	(3-8)	
	Choose one from the Diversity Elective Group <i>(Choose two if BIOL 208 is completed.)</i>		
Ancillary Courses		(9-14)	
•	CHEM 330 Essentials of Organic Chemistry <i>OR</i>	(5-10)	
	CHEM 331 & CHEM 332 Organic Chemistry I, II		
•	Choose one of the following:	(4)	
MATH 237	Elementary Biostatistics <i>OR</i>		
PSYC 212	Behavioral Statistics		
Total Credits to B.S. Degree		(120 - 130)	
	Harford Biology A.S. Degree	63-64	
	Completion of GenEd at TU	15	
	Completion of Major Requirements at TU	28-51	
	Elective Credits at TU	0-14	