

HARFORD COMMUNITY COLLEGE - Biology AS DEGREE
TOWSON UNIVERSITY 2 + 2 MB3 Molecular Biology Track

HARFORD COMMUNITY COLLEGE			TOWSON UNIVERSITY			
COURSE #	COURSE TITLE	CRS.	TU EQUIVALENCY	GenEd	COMMENTS	COURSE ID#
ENG 101	English Composition	3	ENGL 102	IA		2348
CIS 102	Intro. Information Sciences	3				
MATH 109 Or MATH 203	Precalculus Math Or Calculus I	4	MATH 119 Or MATH 273	IC		4381 Or 4407
				ID	Advanced Upper-Level Writing Course	
				IE	Creativity & Creative Development	
CHEM 111	General Chemistry I	4	CHEM 110	IIA1		1041
CHEM 112	General Chemistry II	4	CHEM 111	IIA1		1042
	Arts/Humanities Elective	3		IIB1	Equivalency depends on student choice.	
				IIB3	Contemporary Issues	
	Arts/Humanities Elective	3		IIC1	Equivalency depends on student choice.	
	Behavioral/Social Science Elective	3		IIC2	Equivalency depends on student choice.	
	Behavioral/Social Science Elective	3		IIC2	Equivalency depends on student choice.	
				IIC3	Cultural Plurality & Diversity	
				IID	Global Awareness	
GenEd in Transfer		30				
MATH 203 Or BIO	Calculus I Or Biology Elective	3-4	MATH 273 Or BIOL		Biology equivalency depends on choice.	4407
CHEM 207	Organic Chemistry I	4	CHEM 331		Will not be included in TU's 32 credit upper-level requirement.	10134
CHEM 208	Organic Chemistry II	4	CHEM 332		Will not be included in TU's 32 credit upper-level requirement.	10135
PHYS 101	Introductory Physics I	4	PHYS 211			6800
PHYS 102	Introductory Physics II	4	PHYS 212			6801
BIO 120	General Biology I	4	BIOL 201			666
BIO 121	General Biology II	4	BIOL 202			667
BIO	Biology Elective	3-4	BIOL		Biology equivalency depends on choice.	???
PE	Physical Education Elective	1	PHEA TLL			10564
PE	Physical Education Fitness Elective	1	PHEA TLL			10564
Program Requirements		33-34				
Total Credits in Transfer		63-64				

- 70 credit transfer maximum.
- MATH 203, Calculus I, must be taken at Harford Community College
- GenEds to be completed at Towson 15 Units: I.D, I.E, II.B.3, II.C.3 and II.D

Major Requirements to be completed at Towson

BIOL 309	Genetics	(4)
BIOL 408	Cell Biology	(4)
BIOL 409	Molecular Biology	(3)
BIOL 410	Molecular Biology Lab	(2)
BIOL 485	Seminar in Applied Biotechnology	(1)
BIOL 491	Independent Research in Biology	(3-6)
CHEM 210	Analytical Chemistry	(3)
CHEM 351	Intro Biochemistry	(3)
MBBB 301	Intro to Bioinformatics	(4)
MBBB 493	Seminar in Bioethics	(1)
	General Education ID*	(3) *Advanced composition 300-400 elective
	General Education IE	(3)
	General Education IIB3	(3)
	General Education IIC3	(3)
	General Education IID	(3)
	General Electives	(8)

Total Credits to B.S. Degree 120

Harford Biology A.S. Degree	63-64
Completion of GenEd at TU	15
Completion of Major Requirements at TU	33-34
General Electives	8