

COMMUNITY COLLEGE OF BALTIMORE COUNTY/GEOSPATIAL APPLICATIONS A.A.S DEGREE
TOWSON UNIVERSITY/GEOGRAPHY & ENVIRONMENTAL PLANNING B.S. DEGREE
2008-2011

COMMUNITY COLLEGE OF BALTIMORE COUNTY			TOWSON UNIVERSITY			
COURSE #	COURSE TITLE	CRS	TU EQUIVALENCY	GenEd	COMMENTS	COURSE ID#
ENGL 101	College Composition I	3	ENGL 102	IA		2348
				IB	Using Information Effectively	
MATH 135	Applied Algebra & Trigonometry	3	MATH 115	IC		4379
				ID	Advanced Composition	
				IE	Creativity & Creative Development	
BIOL/PHS C	Biological/Physical Science GenEd	4		IIA	Equivalency depends on choice.	
BIOL/PHS C	Biological/Physical Science GenEd	3		IIA	Equivalency depends on choice.	
A/H	Arts & Humanities GenEd	3		IIB1	Equivalency depends on choice.	
SPCM 101	Fundamentals of Speech Communication	3	COMM 131	IIB3	Contemporary Issues	2112
ENGL 102	College Composition II	3	IIC1-10T	IIC1	No direct equivalency. (Intro. to Lit.)	10436
GEOG 102	Introduction to Cultural Geography	3	GEOG 109	IIC2		2890
S/BS	Social & Behavioral Science GenEd	3		IIC2	Equivalency depends on choice.	
CINS 120	Diversity in a Technological Society	3	IIC3-10T	IIC3	No direct equivalency.	10440
GEOG 111	World Regional Geography	3	GEOG 102	IID		2886
Total GenEd in Transfer		34				

CINS 134	Choose 2 Courses Comprehensive Databases		COSC TLL	No direct equivalency.	10186
CINS 146	Authoring Web Pages		COSC TLL	No direct equivalency.	10186
CINS156	Introduction to SQL Using	3,3	COSC TLL	No direct equivalency.	10186
CINS220	ORACLE		COSC TLL	No direct equivalency.	10186
CINS 234	Visual BASIC Programming Database Concepts		COSC TLL	No direct equivalency.	10186
ENGL 213	Technical Writing	3	ENGL TLL	No direct equivalency.	10267
CADD 101	Introduction to CADD	3	COSC TLL	No direct equivalency.	10186
GEOG 101	Introduction to Physical Geography	3	GEOG 101		2885
GEOA 101	Introduction to GIS	3	GEOG 221		2893
GEOA 110	Intermediate GIS	4	GEOG 232		2952
GEOA 150	Remote Sensing & GPS	3	GEOG TLL		10320
GEOA 210	Geospatial Analysis & Decision Making	4	GEOG TLL		10320
GEOA 250	Advanced GIS	3	GEOG 223		2894
Total Program Requirements		32			
Total Credits in Transfer		64			

- **64** credit transfer maximum. An additional **9** GenEd credits must be completed at Towson University: **I.B, I.D and I.E.**

Major Requirements to be completed at Towson (21 Units)

CORE COURSES (6 Units)

GEOG 375	Quantitative Methods in Geography	(3)
GEOG 401	Growth of Geographic Thought	(3)

REGIONAL COURSES (3 Units)

Select one:

GEOG 420	Anglo-America	GEOG 448	Conflict in Ireland
GEOG 423	Maryland	GEOG 451	Europe
GEOG 424	Historical Geography of Atlantic Canada	GEOG 452	European Union
GEOG 431	Africa	GEOG 453	Former USSR
GEOG 443	East Asia	GEOG 461	Latin America
GEOG 445	South & Southeast Asia	GEOG 47X	Regional Special Topics
GEOG 447	Middle East		

ELECTIVE COURSES (12 Unit Minimum)

Advanced Geography and environmental planning courses are required of all Geography majors. Additional techniques courses are recommended as electives for students who wish to focus on geographic information sciences and geovisualization. Students should consult with their program advisors when selecting elective courses both within and outside their major field of study. **Elective courses include but are not limited to the following:**

GEOG 321	Interpretation of Aerial Photographs	(3)
GEOG 323	Cartography and Graphics	(3)
GEOG 416	Principles of Remote Sensing & Digital Image Processing	(3)
GEOG 418	Computer Graphics	(3)
GEOG 491	Internship	(variable credit 1-6)
GEOG 496	Independent Study	(variable credit 1-6)

An internship is strongly recommended for those students with AAS degrees in Geospatial Applications. Students may not substitute past work experience, nor use concurrent work to meet internship requirements, without permission of the department.

TOTAL CREDITS TO B.S. DEGREE		120
CCBC Geospatial Applications A.A.S Degree		64
Completions of GenEd at TU (I.B, I.D, and I.E)	9	
Completion of Program Requirements at TU	21	
Completion of a Minor or Additional Electives at TU (must include 8 upper-level units)		26