



**TIDEWATER COMMUNITY COLLEGE  
AS IN SCIENCE SPECIALIZATION IN COMPUTER SCIENCE  
TO UNIVERSITY OF MARYLAND UNIVERSITY COLLEGE  
BS IN SOFTWARE DEVELOPMENT AND SECURITY  
TRANSFER GUIDE**

**CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS** See catalog for overview of all requirements.

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| <ul style="list-style-type: none"> <li><input type="checkbox"/> 30 credits at UMUC, including at least half of the major and minor and 15 upper-level credits.</li> <li><input type="checkbox"/> 45 upper-level credits, including half the credit for the major and for the minor.</li> <li><input type="checkbox"/> All required courses <u>and</u> minimum number of credits for major and minor.</li> <li><input type="checkbox"/> Prerequisites for major and minor courses, if needed.</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> All General Education Requirements.</li> <li><input type="checkbox"/> Grade of C or better in all courses for the major and minor.</li> <li><input type="checkbox"/> Grade of C- or better for WRTG 101</li> <li><input type="checkbox"/> Overall GPA of at least 2.0.</li> <li><input type="checkbox"/> At least half the credit for the major earned through graded coursework.</li> <li><input type="checkbox"/> Total 120 credits.</li> </ul> |
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UMUC DEGREE REQUIREMENTS	TCC COURSES	UMUC EQUIVALENCY	CREDITS FROM TCC	CREDITS NEEDED AT UMUC
		<b>Credits:</b>	<b>6</b>	<b>6</b>
<b>COMMUNICATIONS</b>				
WRTG 101 (3)	ENG 111	WRTG 101	3	
WRTG 100A (3) <i>Or other 3-credit WRTG course except 288, 388, 486A, 486B, COMM 390 and 492. ENGL 102 and JOUR 201 apply</i>	ENG 112	WRTG	3	
COMM 202 (3) <i>Or other communication, writing, or speech</i>				3
WRTG 393 (3) <i>Or other upper-level advanced writing</i>				3UL
		<b>Credits:</b>	<b>6</b>	<b>0</b>
<b>ARTS AND HUMANITIES</b>				
HUMN 100 (3) <i>Or other arts/humanities</i>	Humanities Elective except CST 229	Arts & Humanities	3	
HIST 125 (3) <i>Or other arts/humanities</i>	History Elective	Arts & Humanities	3	
		<b>Credits:</b>	<b>3</b>	<b>3</b>
<b>BEHAVIORAL AND SOCIAL SCIENCES</b>				
ECON 103 (3) <i>Or other behavioral/social science</i>	Social Science Elective except HIS	Behavioral & Social Sciences	3	
BEHS 103 (3) <i>Or other behavioral/social science</i>				3
		<b>Credits:</b>	<b>8</b>	<b>0</b>
<b>BIOLOGICAL AND PHYSICAL SCIENCES</b>				
BIOL 103 (4) <i>Or other biological/physical science with related lab</i>	Science with Lab Elective	Lab Science	4	
NSCI 100 (3) <i>Or other 3-credit biological/physical science</i>	Science with Lab Elective	Science	4	
		<b>Credits:</b>	<b>5</b>	<b>0</b>
<b>MATHEMATICS</b>				
MATH 106 (3) <i>or other approved math GenEd course (MATH 106, MATH 107, STAT 200, or more advanced MATH or STAT)</i>	MTH 173	MATH 140	5	
		<b>Credits:</b>	<b>3</b>	<b>4</b>
<b>INTERDISCIPLINARY OR EMERGING ISSUES</b>				
LIBS 150 (1)				1
IFSM 201 or CMST 301 (3)				3
CMIS 102 (3) <i>Prerequisite for major courses</i>	CSC 110	CMIS 102	3	

**Legend/Notes**

◆ required course for the major or minor

\* course meets content requirement but not upper-level minimum

UL – UL stands for upper-level junior/senior courses and denotes the minimum upper-level credit that must be taken at UMUC for graduation

^ only 21 credits of vocational technical are permitted for transfer at UMUC

Courses placed in the ELECTIVES/MINOR section may meet degree requirements depending on which course the student takes from the list of courses offered for the associate's degree. Any credit applied to the associate's degree must also meet UMUC's transfer credit policy.

UMUC DEGREE REQUIREMENTS	TCC COURSES	UMUC EQUIVALENCY	CREDITS FROM TCC	CREDITS NEEDED AT UMUC
<b>SOFTWARE DEVELOPMENT AND SECURITY MAJOR</b>	<b>Credits:</b>		<b>4</b>	<b>27</b>
◆ CMIS 141 Introductory Programming (3)	CSC 201	CMIS 141	4	
◆ CMIS 242 Intermediate Programming (3)				3
◆ CMIS 320 Relational Database Concepts and Applications (3)				3UL
◆ SDEV 300 Building Secure Web Applications (3)				3UL
◆ SDEV 325 Detecting Software Vulnerabilities (3)				3UL
◆ SDEV 350 Database Security (3)				3UL
◆ SDEV 360 Secure Software Engineering (3)				3UL
◆ SDEV 400 Secure Programming in the Cloud (3)				3UL
◆ SDEV 425 Mitigating Software Vulnerabilities (3)				3UL
◆ SDEV 460 Software Security Testing (3)				3UL
<b>CAPSTONE COURSE FOR MAJOR</b>	<b>Credits:</b>		<b>0</b>	<b>3</b>
◆ CMSC 495 Current Trends & Projects in Computer Science (3)	<b>MUST BE TAKEN AT UMUC</b>			3UL
<b>ELECTIVES/MINOR</b>	<b>Credits:</b>		<b>26</b>	<b>16</b>
Choose any electives to meet degree requirements. Note minimum requirements for upper-level coursework.  See requirements of individual minor.	SDV 100	Elective	1	
	History Elective	Elective	3	
	MTH 174	MATH 141	4	
	CSC 205	CMIS 310*	3	
	CSC 210	CMIS	4	
	Health/Physical Education Elective	Elective	2	
	CSC 215	CMIS 310*	3	
	Approved Elective	Elective	3	
	Humanities Elective	Elective	3	
Upper-Level Electives at UMUC				15UL
Any Electives at UMUC				1
<b>Total Minimum Credits Needed for Graduation: 120</b>	<b>Total Credits:</b>		<b>61</b>	<b>59</b>