

AACC ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE TRANSFER – COMPUTER SCIENCE

Students transferring from AACC with a conferred Associate of Arts or Associate of Science degree will have the General Education Requirement (Gen Ed) block of courses met at UMGC (A.A.S. degrees not included). See community college advisor for course sequencing.



UNIVERSITY OF MARYLAND GLOBAL CAMPUS CATALOG YEAR: 2022-2023

UMGC BACHELOR OF SCIENCE IN COMPUTER SCIENCE

https://www.umgc.edu/transfers-and-credits/community-collegealliances/national-community-college-alliances.cfm

Degree requirements may change based on date of initial enrollment at UMGC.

	ANNE ARUNDEL COMMUNITY COLL	EGE				MDUS
CREDITS	ANNE ARUNDEL COMMUNITY COLLEGE Requirements for Associate's Degree		CREDITS	UNIVERSITY OF MARYLAND GLOBAL CAMPUS Requirements for Bachelor's Degree		
4	MAT 191 Program & Gen Ed requirement	TERM 1		MATH 140 (Gen Ed Mathemati		ent to the
				major)		
3	ENG 101 or ENG 101A Gen Ed requirement	TERM 1		WRTG 111 (Gen Ed Communications)		
3	Arts & Humanities Gen Ed requirement	TERM 1		Gen Ed Arts & Humanities		
3	Social & Behavioral Sciences Gen Ed req	TERM 1		Gen Ed Behavioral & Social Science		
4	CTP 115 Program requirement	TERM 1		CMIS 141 (required for the major)		
4	MAT 192 Program requirement	TERM 2		MATH 141 (elective; related requirement the major)		
3	ENG 102 Gen Ed requirement	TERM 2		WRTG 112 (Gen Ed Communications; <i>completed with C- or better</i>) Gen Ed Biological & Physical Lab Science		
4	Biological & Physical Sci. w/ Lab Gen Ed req	TERM 2				
4	CTP 150 Program requirement	TERM 2 TERM 3		CMIS 242 (required for the r CMISC 250* (required for the r		
4	CTP 250 Program requirement			◆ CMSC 350* (required for the major)		
4	MAT 202 Program requirement	TERM 3		MATH 240 (Gen Ed Communications; to honor Gen Ed block)		
3	Arts & Humanities Gen Ed requirement	TERM 3 TERM 5		Gen Ed Arts & Humanities		
4	Biological & Physical Sci. w/ Lab Gen Ed req	TERM 5		Gen Ed Biological & Physical Science		
3	MAT 250 Program requirement	TERM 4		CMSC 150 (Gen Ed Computing; related requirement to the major) HLTH 140 (elective)		
3	HEA 111 Wellness requirement	TERM 4		Gen Ed Behavioral & Social Science		
3	Social & Behavioral Sciences Gen Ed req	TERM 4		 ♦ SDEV 300* (required for the major) 		
3	CTP 160 (recom'd program elective) Elective	TERM 4		Elective		
3	Elective	TERM 5		Elective		
3	Elective	TERM 5		Elective		
3	Elective	TERM 5		Elective		
3	Elective	TERM 5		Elective		
3	Elective	TERM 6		Elective		
3	Elective	TERM 6		Elective		
3	Elective	TERM 6		Elective		
81	Total Credits Transferred	TERWI 0	l	Elective		
-	G UMGC DEGREE REQUIREMENT RECOMM	ENDED SEQ	UENCE UPO	ON TRANSFER WITH ASSOCIA	TE'S DEGREE	
LIBS 150 or other Gen Ed course (will be fulfilled by 1 credit of MAT 202 from AACC)						
PACE 111T Program and Career Exploration in Technology or other PACE 111					Fall OL1	3
◆ CMIS 310 Computer Systems and Architecture (required for the major)					Fall OL1	3UL
CMSC 330 Advanced Programming Languages (required for the major)			Fall OL2	3UL		
WRTG 393	/RTG 393 Advanced Technical Writing or other upper-level writing (Gen Ed Communications)			Fall OL2	3UL	
	35 Object-Oriented and Concurrent Programmir					3UL
				Spring OL1	3UL	
	0 Software Engineering Principles and Techniq	ues (reauired	for the maio	r)	Spring OL2	3UL
	0 Relational Database Concepts and Applicatio				Spring OL2	3UL
	Advanced Relational Database Concepts and Application				Summer OL1	3UL
	30 Compiler Theory and Design (required for th				Summer OL1	3UL
		,	the mains'		Fall OL1	30L 3UL
◆ CMSC 451 Design and Analysis of Computer Algorithms (required for the major)					Fall OL1	30L 3UL
Elective (must be taken upper-level)				Fall OL2	30L 3UL	
	95 Current Trends and Projects in Computer Sc	ence (require	ed capstone	for the major)		
NOTES: Mir (GPA) / No c. traditional dependent o	EDITS REMAINING AT UMGC nimum of 120 credits, including 36 upper-level (cou- course within major or minor below 2.0 GPA / At college courses earning a grade / Maximum of 70 n meeting all UMGC bachelor's degree requiremer * = Denotes lower-level course meets content requ ~ TERM 1 & 4: fall semesters;	least one-half) transfer credi nts) / WRTG / irement of upp	of credits with its to UMGC f 112 complete per-level cours	in major and minor comprised of: rom 2-year or community college (d with grade of 1.67 GPA (C-) or be	a. upper-level; b. UM actual number of trans etter / ◆ = Denotes o evel / UL = Denotes	GC resident; sfer credits course in major



of initial enrollment at UMGC.

UNIVERSITY OF MARYLAND GLOBAL CAMPUS MASTER OF SCIENCE IN INFORMATION TECHNOLOGY: SOFTWARE ENGINEERING SPECIALIZATION

CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS

- □ Must maintain a GPA of 3.0 or higher at all times
- □ All degree requirements must be fulfilled within five consecutive years.
- Any transfer credits must have been earned within the five-year time frame to be applied toward a graduate degree

UNIVERSITY OF MARYLAND GLOBAL CAMPUS Requirements for Master's Degree	SEMESTER TAKEN	CREDI ^T S
JCSP 615 Orientation to Graduate Studies at UMGC (to be taken within the first 6 credits of study) Waived based only upon successful completion of all requirements for the B.S. in Computer Science at UMGC		0
TEC 625 Computer Systems Architecture (Core course) Waived only on the basis of successfully completion of CMIS 310 Computer Systems and Architecture for the B.S. in Computer Science at UMGC	Waived	0
TEC 630 Information Systems Analysis, Modeling, and Design (Core course)	Waived	0
TEC 640 Information Technology Project Management (Core course)		3
SWEN 603 Modern Software Methodologies (Specialization course)	Spring GO1	3
DBST 651 Relational Database Systems (Specialization course) Waived only on the basis of successful completion of CMIS 320 Relational Database Concepts and Applications for the B.S. in Computer Science at UMGC and CMIS 420 Advanced Relational Database Concepts and Applications as a recommended elective for the B.S. degree	Waived	0
SWEN 646 Software Design & Implementation (Specialization course)	Spring GO2	3
SWEN 656 Advanced Software Design & Implementation (Specialization course)	Summer GO1	3
SWEN 645 Software Requirements (Specialization course)	Summer GO1	3
SWEN 647 Software Verification & Validation (Specialization course)		3
SWEN 651 Usability Engineering (Specialization course)	Fall GO2	3
SWEN 661 User Interface Implementation (Specialization course)	Spring GO1	3
SWEN 670 Software Engineering Project (Specialization course)	Spring GO2	3
TOTAL CREDITS NEEDED FOR GRADUATION: 36	TOTAL CREDITS	27