Suggested Transfer Pathway
Montgomery College A.A. in Computer Science
to University of Maryland University College
B.S. in Computer Science

Catalog Year: 2016-2017

Year One – Montgomery College

(Courses may be taken in any order)

Fall Semester	Cr
ENGL101 (if needed for ENGL102/103, or other writing course)	3
CMSC140 Introduction to Programming	3
MATH181 Calculus I	4
Arts Distribution	3
Behavioral and Social Sciences Distribution *	3
Total Credits	**16**

Spring Semester	Cr
ENGL102 or ENGL103 English Foundation	3
CMSC203 Computer Science I	4
MATH182 Calculus II	4
Arts or Humanities Distribution ‡	3
Total Credits	**14**

Year Two – Montgomery College

Fall Semester	Cr
CMSC204 Computer Science II	4
Humanities Distribution	3
Natural Sciences Distribution with Lab	4
Any CMSC course, MATH282 or MATH284	3
Total Credits	**14**

Spring Semester	Cr
COMM108 or COMM112	3
CMSC207 Intro to Discrete Structures	4
Behavioral and Social Science Distribution *	3
Natural Sciences Distribution	3
Any CMSC course, MATH282 or MATH284	3
Total Credits	**16**

Apply to graduate from Montgomery College with an Associate of Arts in Computer Science

* Behavioral & Social Science Distribution courses must come from different disciplines

‡ Consult an advisor before selecting general education institutional requirements

Year Three – University of Maryland University College

Fall Semester	Cr
WRTG 393 *Or other upper-level advanced writing*	3
LIBS 150 Introduction to Research	1
Elective	1
IFSM 201 Concepts & Applications of Information Technology or CMST 301 Digital Media and Society	3
CMIS 310 Computer Systems and Architecture	3
CMSC 350 Data Structures and Analysis	3
Total Credits	**14**

Spring Semester	Cr
CMSC 330 Advanced Programming Languages	3
CMSC 335 Object-Oriented and Concurrent Programming	3
Elective	3
Upper-Level Elective	3
Upper-Level Elective	3
Total Credits	**15**

Year Four – University of Maryland University College

Fall Semester	Cr
CMSC 451 Design & Analysis of Comp. Algorithms	3
CMSC 405 Computer Graphics	3
Elective	3
Upper-Level Elective	3
Upper-Level Elective	3
Total Credits	**15**

Spring Semester	Cr
CMSC 495 Current Trends and Projects in CS	3
Elective	3
Upper-Level Elective	3
Upper-Level Elective	3
Upper-Level Elective	3
Total Credits	**15**

MC Contact: transfer@montgomerycollege.edu

MC Computer Science A.A. to UMUC Computer Science B.S.

Total Credits: 60, Catalog Year: 2016-2017

Name:	Date:	ID#	
Foundation Courses	**COURSE**	**HRS**	**GRADE**
English Foundation (ENGL102 or ENGL103)	ENGL	3	
Math Foundation	MATH181	3	
Distribution Courses	**COURSE**	**HRS**	**GRADE**
Arts Distribution		3	
Humanities Distribution		3	
Behavioral & Social Science Distribution *		3	
Behavioral & Social Science Distribution *		3	
Natural Sciences Distribution with Lab		4	
Natural Sciences Distribution with or without Lab		3-4	
GEIR: COMM108 or COMM112	COMM	3	
GEIR: Arts or Humanities Distribution		3	
Program Requirements	**COURSE**	**HRS**	**GRADE**
ENGL101 (if needed for ENGL102/103, CMSC elective/MATH282/284 if not)		3	
Calculus II	MATH182	4	
Introduction to Programming	CMSC140	3	
Computer Science I	CMSC203	4	
Computer Science II	CMSC204	4	
Introduction to Discrete Structures	CMSC207	4	
Any CMSC course, MATH282 or MATH284		3	
Any CMSC course, MATH282 or MATH284		3	

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‡ Consult an advisor before selecting general education institutional requirements

www.umuc.edu/academic-programs/bachelors-degrees/computer-science-major.cfm

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