Suggested Transfer Pathway
Montgomery College A.A. in Computer Science & Technologies, Computer Science to Hood College B.S. in Computer Science

Catalog Year: 2018-2019, Total Credits: 60

0 – 30 credits – Montgomery College

	Cr
ENGL101 (if needed, or program elective †)	3
MATH181 Calculus I (Students may need to take MATH165 if they don't place into MATH181)	4
Behavioral & Social Sciences Distribution *	3
CMSC140 Intro to Programming	3
Arts Distribution	3
Total Credits	**16**

Courses may be taken in any order (pending prerequisites)

	Cr
ENGL102 or ENGL103 (English Foundation)	3
MATH182 Calculus II	4
CMSC203 Computer Science I	4
Arts Dist, Humanities Dist or HLTH Course (GEIR)	3
Total Credits	**14**

31 – 61 credits – Montgomery College

	Cr
CMSC204 Computer Science II	3
Humanities Distribution	3
Natural Sciences Distribution with Lab	4
Program Elective (CMSC201 recommended) † *	3
Total Credits	**15**

	Cr
COMM108 or COMM112 (GEIR)	3
CMSC207 Intro to Discrete Structures	3
Behavioral & Social Sciences Distribution	3
Natural Sciences Distribution with Lab (Hood requires a second lab science course)	4
Program Elective †	3
Total Credits	**16**

Apply to graduate from MC with an A.A. in [Computer Science & Technologies, Computer Science](#)

* BSSD courses must come from different disciplines

† Program Electives: CMSC Courses, [MATH117](#), [MATH165](#), [MATH280](#), [MATH282](#), [MATH284](#)

Year Three – Hood College

Fall Semester	Cr
CS219 Advanced Data Structures	3
CS226 Computer Organization + Design	3
Post Calculus Math Course	3
300-Level CS Elective	3
Elective	3
Total Credits	**15**

Spring Semester	Cr
CS319 Algorithm Analysis	3
CS329 Intro to Data Management Systems	3
Post Calculus Math Course	3
Natural Sciences Distribution with Lab	4
Elective	3
Total Credits	**16**

Year Four – Hood College

Fall Semester	Cr
CS324 Principles of Software Engineering	3
CS471 Programming Languages	3
CS474 Capstone	3
Post Calculus Math Course	3
Elective	3
Total Credits	**15**

Spring Semester	Cr
CS475 Senior Project	3
CS 464 Operating Systems	3
300-Level CS Electives	6
Elective	3
Total Credits	**15**

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[MC A.A. in Computer Science and Technologies, Computer Science](#) to [Hood College B.S. in Computer Science](#)

Catalog Year: 2018-2019, Total Credits: 60, Courses may be taken in any order (pending prerequisites)

Name:		Date:		ID#	
Foundation Courses		**COURSE**	**HRS**	**GRADE**	
English Foundation (ENGL102 or ENGL103)		ENGL	3		
Math Foundation, Calculus I		MATH181	4		
Distribution Courses		**COURSE**	**HRS**	**GRADE**	
Arts Distribution			3		
Humanities Distribution			3		
Behavioral & Social Science Distribution *			3		
Behavioral & Social Science Distribution *			3		
Natural Science Distribution with Lab			4		
Natural Science Distribution with Lab (Hood requires a second lab course)			4		
General Education Institutional Requirements		**COURSE**	**HRS**	**GRADE**	
COMM108 or COMM112 (GEIR)		COMM	3		
Arts Distribution, Humanities Distribution or HLTH Course (GEIR)			3		
Program Requirements		**COURSE**	**HRS**	**GRADE**	
ENGL101 (if needed for ENGL102 or ENGL103, program elective † if not)			3		
Area of Concentration Requirements		**COURSE**	**HRS**	**GRADE**	
Intro to Programming		CMSC140	3		
Computer Science I		CMSC203	4		
Computer Science II		CMSC204	4		
Intro to Discrete Structures		CMSC207	4		
Calculus II		MATH182	3		
Program Elective (CMSC201 Java Programming Langauge recomm'd) †			3		
Program Elective †			3		

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† Program Electives: CMSC Courses, [MATH117](#), [MATH165](#), [MATH280](#), [MATH282](#), [MATH284](#)

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