MONTGOMERY COLLEGE
A.A. in Computer Science

VIRGINIA TECH
B.S. in Computer Science

CREDITS	MONTGOMERY COLLEGE Requirements for Associate's Degree		VIRGINIA TECH Requirements for Bachelor's Degree
3	ENGL101 College Writing*		ENGL 1105 First-Year Writing
3	CMSC140 Introduction to Programming		CS1044 Intro to Programming in C
4	MATH 181 Calculus I (MATF)		MATH 1225 Calculus of a Single Variable
3	Arts Distribution (ARTD)		
3	Behavioral and Social Sciences Distribution (BSSD)**		
3	ENGL102 Critical Reading, Writing and Research		ENGL 1106 First-Year Writing
4	MATH 182 - Calculus II		MATH 1226 Calculus of a Single Variable
4	CMSC203 Computer Science I		CS 1114 Intro to Software Design
3	Arts/Humanities (ARTD/HUMD) or Health course (HLTH)		
4	CMSC204 Computer Science II		CS 2114 Software Design & Data Structures
4	CHEM131 Principles of Chemistry (NSLD)		CHEM 1035/1045 General Chemistry
3	Behavioral and Social Sciences Distribution (BSSD)**		
3	Humanities Distribution (HUMD)		
3	Program Elective (MATH 280 suggested)		
3	COMM108 Foundations of Human Communication (GEIR)		COMM 2014 Communication Principles of Teamwork
4	CHEM132 Principles of Chemistry II		CHEM 1036/1046 General Chemistry
4	CMSC207 Introduction to Discrete Structures		MATH 2534 Intro Discrete Math
4	Program Elective (MATH 284 suggested)		
62	**TOTAL CREDITS TRANSFERRED**		

REMAINING VIGINIA TECH DEGREE REQUIREMENTS RECOMMENDED SEQUENCE UPON TRANSFER WITH ASSOCIATE'S DEGREE	
MATH3134 Combinatorics	3
CS2506 Intro to Computer Organization II	3
CS3114 Data Structures and Algorithms	3
CLE (Areas 2,3, or 7)	3
Professional Writing Elective	3
Statistics Elective	3
CS3214 Computer Systems	3
Upper-level CS Elective	3
CS3604 Professionalism in Computing	3
CLE (Areas 2, 3, or 7)	3
CS3304 Comparative Languages	3
CS41X4 Theory Course	3
Upper-Level CS Elective	3
CS Technical Elective	3
Free Elective	3
CS4944 Senior Seminar	1
CS4XXX Capstone	3
CS4XXX Elective	3
CLE (Area 6)	3
Free Elective	4
TOTAL CREDITS REMAINING AT VIRGINIA TECH	**60**

MONTGOMERY COLLEGE NOTES

** BSSD courses must come from different disciplines

VIRGINIA TECH NOTES

CLE Area 2: Ideas, Cultural Traditions, Values electives
CLE Area 3: Society & Human Behavior electives
CLE Area 6: Creativity & Aesthetic Experience elective
CLE Area 7: Global Issues Elective

If a CLE course is double-counted to satisfy two different CLE areas, a free elective(s) must be taken to maintain a minimum of 123