

MEDGAR EVERS COLLEGE

BS – Computer Science

Semester 1

ENGL 112	English Composition I	3	FRESHMAN
CS 140	Computer Science Seminar	3	
MTH 151	Pre-calculus	4	
Flexible Common Core Course	Flexible Common Core Course	3	

Semester 2

ENGL 150	English Composition II	3	FRESHMAN
Flexible Common Core Course	Flexible Common Core Course	3	
MTH 202	Calculus I	4	
CS 151	Introduction to Computing	3	
CS 241	Discrete Structures	3	

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Semester 3

CS 244	Object-Oriented Programming	3	SOPHOMORE
CS 281	Database Systems	3	
Flexible Common Core Course	Flexible Common Core Course	3	
PHY 211	University Physics I	3	
Flexible Common Core Course	Flexible Common Core Course	3	

Semester 4

Flexible Common Core Course	Flexible Common Core Course	3	SOPHOMORE
MTH 207	Linear Algebra I	3	
CS 246	Data Structures	3	
MTH 203	Calculus II	4	
CS 265	Unix System Programming	3	

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Semester 5

Socio-Cultural College Option Course	Socio-Cultural College Option Course	3	SOPHOMORE
CS 260	Digital Systems	4	
MTH 237	Probability and Statistics	3	
CS 355	Mobile Application Development	3	
CS 401	Cs/Telecommunication	3	

Semester 6

Humanities College Option Course	Humanities College Option Course	3	SOPHOMORE
CS 312	Analysis of Algorithms	3	
PHY/L/W 212	University Physics II	4	
CS 315	Operating Systems	3	

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Semester 7

PHY/L/W 213	University Physics III	4	SOPHOMORE
CS 308	Computer And Network Security	3	
CS 325	Computer Architecture	3	
CS 345	Scientific Programming I - Data Analysis	3	
CS 402	Cs/Telecommunication	3	

Semester 8

College Option Elective	College Option Elective	3	SOPHOMORE
CS 380	Intelligence Systems	3	
CS 350	Programming Language Paradigms	3	
CS 360	Software Engineering	3	
CS 395	Theoretical Computer Science	3	