

COMPUTER SCIENCE (B.S.) - BLOOMFIELD COLLEGE

Program Requirements

Code	Title	Credits
A. First Year Seminar		
FYS 100	First Year Seminar	3-4
B. Mathematics		
MTH 130	Transition to Collegiate Mathematics	4
MTH 141	College Algebra	4
or MTH 161	Precalculus	
C. Writing		
Students who take WRT 102 must then take WRT 108. Students who take WRT 105A must then take WRT 109.		
WRT 105A	Argumentative and Analytic Writing (or WRT 102 Enhanced Argumentative and Analytic Writing)	4
or WRT 106A	Accelerated Argumentative and Analytic Writing	
WRT 108	Enhanced Synth/Research Writing	4
or WRT 109	Synthesis Research Writing	

Major Requirements

Code	Title	Credits
Required Courses		
BUS 200	Introduction to Management	3-4
CMP 126A	Programming I	3-4
CMP 226B	Programming II	3-4
CMP 228A	Data Structures	3-4
CMP 235	Web Programming	3-4
CMP 300A	Systems Analysis and Design	4
CMP 322B	Intro to Operating Systems	3-4
CMP 330B	Database Management	3-4
CMP 342	Management Information Systems	3-4
CMP 460	Applied Systems Development Project	3-4
NTW 101	Data Representation & Digital Logic	3-4
NTW 115	Introduction to Computer Networks	3-4
Select one of the following:		
MTH 221C	Calculus Analytic Geometry I	
MTH 332A	Discrete Mathematics	
Select three of the following:		
BUS 341	Project Management	
CMP 200/300/400		
CAT 242	Flex for Web & Games	
CAT 328	Artificial Intelligence for Games	
NTW 100/200/300/400		

Bloomfield College General Education

Click here for a list of courses that fulfill General Education categories (<http://catalog.montclair.edu/programs/general-education-requirements-bloomfield/>)

Code	Title	Credits
Take one course from Aesthetic Appreciation Skills		
Take one course from Communication Skills		
Take two courses from Transcultural & Global Awareness OR take one course from Transcultural & Global Awareness Skills AND one course from Civic Engagement Skills		
Take one course from Technological & Digital Literacy Skills		

Writing Intensive

Complete two writing intensive courses.

Upper Level Course Requirement

Complete 15 courses at the 200-level or higher