

**Community College of Baltimore County (CCBC) AS in Computer Science to University of Baltimore (UB) BS in Applied Information Technology  
Transfer Guide**

**CCBC coursework**

General Education Requirements

CSIT-111 Logic and OO Design	3 credits
ENGL-101 College Composition I	3 credits
MATH-251 Calculus I	4 credits
CMNS-101 Fundamentals of Communication <sup>1</sup>	3 credits
Second Arts & Humanities	3 credits
Social & Behavioral Science	3 credits
Second Social & Behavioral Science (different discipline)	3 credits
Biological and Physical Sciences (with lab)	4 credits
Biological and Physical Sciences (without lab)	3 credits

Program Requirements and Electives

CSIT-210 Introduction to Programming	4 credits
CSIT-211 Advanced Programming	4 credits
CSIT-214 C++ Programming	4 credits
MATH-243 Discrete Mathematics	4 credits
MATH-252 Calculus II	4 credits
MATH-257 Linear Algebra	4 credits
DCOM-142 Introduction to Linux/UNIX	3 credits
Program elective (4 credits)	4 credits
	<u>60 credits<sup>2</sup></u>

UB Equivalency

General Elective
WRIT-101
MATH-201/GenEd Math
GenEd Art/Humanities
GenEd Art/Humanities
GenEd Social/Behavioral
GenEd Social/Behavioral
GenEd Physical Science
GenEd Physical Science



**Remaining coursework at UB**

General Education Requirements

IDIS-302 Ethical Issues in Business and Society	3 credits
WRIT 300 Composition and Research <sup>3</sup>	3 credits

Applied Information Technology Requirements

COSC-155 Internet Technologies: Mastering the Basics	3 credits
COSC-210 Computer Hardware/Software Support	3 credits
COSC-310 Fundamentals of Computer Networks	3 credits
COSC-312 Admin. & Supporting a Network Operating System	3 credits
<b>OR</b> COSC-412 Unix/Linux Administration	
COSC-324 Desinging for Humans	3 credits
COSC-332 Fundamentals of Computer Security	3 credits
COSC-351 Object-Oriented Programming	3 credits
COSC-356 Database Systems	3 credits
COSC-401 The TCP/IP Protocol Suite	3 credits
COSC-461 IT Project Management	3 credits
COSC-490 Practicum in Information Technology	3 credits

Math Courses

MATH-303 Applied Probability and Statistics	3 credits
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Track coursework

Application Development and Programming Track	18 credits
<b>OR</b> Information Security and Assurance Track	
	<u>120 credits</u>

<sup>1</sup> Strongly recommended

<sup>2</sup> ALL 60 credits from CCBC's AA degree in Computer Science transfers into UB's BS degree in Applied Information Technology

<sup>3</sup> This course requires a Upper-Division Writing Placement Test

<sup>4</sup> Must receive a grade of C or better (major course)

<sup>5</sup> Capstone course - taken in final semester

<sup>6</sup> Both MNGT-105 and MNGT-201 must be completed at CCBC to satisfy MGMT-315

UB transfers a maximum of 63 credits from CCBC

Fall 2016-17 academic school year