COMPUTER SCIENCE - AS (2302)

Division: Mathematics, Engineering Technologies and Computer Sciences (METCS) Division

Code	Title	Credits
General Education Requirements (30 Credits)		
Written & Oral Communication (6)		
ENG 101	College Composition I	3
ENG 102	College Composition II	3
Quantitative/Scientific Knowledge, Skills & Reasoning (15)		
MTH 121	Calc with Analytic Geom I	4
MTH 136	Discrete Mathematics	3
Select one of the following sequences:		8
BIO 103-BIO 104, BIO 121-BIO 122		
CHM 103-CHM 104		
PHY 103-PHY 104		
Society & Human Behavior (6)		
Select two of the following:		6
ANT 101, ANT 105, ECO 101, ECO 102, POL 104, PSY 101,		
PSY 102, PSY 219, SOC 101, SOC 108, SOC 219		
Humanistic Perspective (3)		
Select any English Literature course OR		3
Select one of the following courses:		
ART 100, ART 101, ART 102, CIN 101, CIN 103, MUS 100, MUS 109, MUS 117		
Major Requirements (30 Credits)		
CSC 121	Computer Science I	3
CSC 122	Computer Science II	3
CSC 221	Computer Sys and Architecture	3
CSC 223	Ethics and Computer Technology	3
CSC 225	Data Structures	3
CSC 228	Operating Systems	4
MTH 122	Calc with Analytic Geom II	4
Select one of the following:		4
CSC 116	Intro to Comp/Network Security	
CSC 230	Computer & Internet Forensics	
CSC 231	Database Design	
CSC 251	Web Application Development	
CSC 255	Mobile Application Development	
Select one of the following:		3
CSC 100	Fundamental of Computer Scienc	
CSC 104	Network Fundamentals	
CSC 137	Intro. to Programming in Java	
CSC 151	Intro Develop Web Applications	
MTH 239	Introduction to Linear Algebra	
Total Credits		**60**

- If you do not place into MTH 121 Calc with Analytic Geom I the prerequisites are: MTH 100 Intro. to College Mathematics, MTH 119 Pre-Calculus I and MTH 120 Pre-Calculus II. Math Placement is determined by the Mathematics Department. These courses should be taken in high school or the summer before your first semester at ECC.

Notes:

1. For an explanation of why General Education courses are included in this Program, please refer to the Section on General Education for an explanation of its Purpose and Requirements.
2. This plan assumes the student is eligible to enroll in College Level Courses (designated as 100 +, e.g., ENG 101 College Composition I, HST 101 World Civilization I, MTH 100 Intro. to College Mathematics). Placement results will determine College Level Readiness in English and Mathematics.