A.S. in COMPUTER SCIENCE (2302) 60 Credits

Essex County College, METCS Division – Curriculum Guide

STUDENT: _____   ID#: _____

General Education Requirements (30 Crs.)		Crs.	✓
Written & Oral Communications (6 Crs.)			
ENG 101	College Composition I	3	
ENG 102	College Composition II	3	
Quantitative/Scientific Knowledge, Skills & Reasoning (15 Crs.)			
MTH 136	Discrete Mathematics	3	
MTH 121	Calculus with Analytical Geo. I	4	
BIO 103-104, 121-122;	Choose **One** Lab Science Sequence	4	
CHM 103-104; PHY 103-104		4	
Society & Human Behavior (6 Crs.)			
E.g., ANT 101, 105; ECO 101,102; POL 101, 104; PSY 101, 102, 219; SOC 101, 108, 219	Choose **Two** Social Science General Education Courses	3	
		3	
Humanistic Perspective (3 Crs.)			
E.g., ART 100, 101, 102; ENG 205, 208, 215, 221, 222, 232, 237, 238, 242, 250, 263, 264; MUS 100, 108, 109, 117	Choose **One** Humanities General Education Course	3	
Major Requirements (30 Crs.)			
CSC 121	Computer Science I	3	
CSC 122	Computer Science II	3	
CSC 221	Comp. System And Architecture	3	
CSC 223	Ethics and Computer Technology	3	
CSC 225	Data Structures	3	
CSC 228	Operating Systems	4	
CSC 231, CSC 116, CSC 230, CSC 251, CSC 255	Choose CSC 231 Database Design **Or** One of the listed Courses.	4	
CSC 100, CSC 104, CSC 137, CSC 151; MTH 239	Choose **One**	3	
MTH 122	Calculus with Analytical Geometry II	4	
Total Credits Required		**60**	

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