

AS in ENGINEERING (0399) – 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 (12 Crs.)			
Math 121	Calculus with Analytical Geometry I	4	
Math 122	Calculus with Analytical Geometry II	4	
PHY 103	General Physics	4	
Society & Human Behavior (6 Crs.)			
ECO 101, 102	Choose One Economics course	3	
E.g., ANT 101, 105; ECO 101, 102 POL 101, 104; PSY 101, 102, 219; SOC 101, 108, 219	Choose any One additional Social Science General Education Course	3	
Humanistic Perspective (3 Crs.)			
E.g., ARB 101,102; ART 100, 101, 102; CIN 101; ENG 205, 208, 215, 221, 222, 232, 237, 238, 242, 250, 263, 264; FRN 101, 102; ITL 101,102; MUS 100, 108, 109, 117; PHI 101; REL 105; SPN 101, 102, 201, 202	Choose One Humanities General Education Course	3	
Major Requirements (24 Crs.)			
CSC 112, 115	Computer Prog. for Engineering and Tech Or Introduction to Computer Science	3	
ENR 100	Introduction to Engineering	2	
ENR 105	Applied Computer-Aided Design	2	
MTH 222	Differential Equations	4	
PHY 104	General Physics II	4	
Engineering Major Elective		3	
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Additional Requirements (8 Crs.)			
ENG 105	Technical Writing	3	
MTH 221	Calculus with Analytical Geometry III	4	
CHM 103	General Chemistry. I	4	
Total Credits		62	

- See METCS advisor for Major elective selections

REVISED: OCTOBER 2020