

# TECHNICAL STUDIES - AAS (5304)

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

Code	Title	Credits
<b>General Education Requirements (20 Credits)</b>		
<i>Written &amp; Oral Communication (6)</i>		
ENG 101	College Composition I	3
ENG 102	College Composition II	3
or ENG 105	Technical Writing	
<i>Quantitative/Scientific Knowledge, Skills &amp; Reasoning (8)</i>		
Select one Math course from the following:		4
MTH 100, MTH 101, MTH 113, MTH 119, MTH 120, MTH 122		
Select one Science course from the following:		4
BIO 101, BIO 102, BIO 103, BIO 104, BIO 116, BIO 121, BIO 122, BIO 211, BIO 220, BIO 237		
CHM 101, CHM 102, CHM 103, CHM 104, GEO 101, GEO 102, PHY 101, PHY 102, PHY 103, PHY 104, PHY 113, PHY 114		
<i>Society &amp; Human Behavior (3)</i>		
Select one of the following:		3
ANT 101, ANT 105, ECO 101, ECO 102, POL 104, PSY 101, PSY 102, PSY 219 SOC 101, SOC 108, SOC 219		
<i>Historical Perspective (3)</i>		
Select any History (HST) course		3
<b>Major Requirements (24 Credits)</b>		
Technical Studies Electives <sup>1</sup>		24
<b>Additional Course Requirements (16 Credits)</b>		
ENR 100	Fund. of Engineering Design	2
ENR 105	Applied Computer Aided Design	2
Technical Courses <sup>2</sup>		12
<b>Total Credits</b>		<b>60</b>

1

24 Technical Studies elective credits may be earned as block credits for qualified apprenticeship training programs.

2

12 additional technical credits taken at Essex County College. Technical credits may be earned from college-level courses in science, technology, and engineering having the following prefixes: ARC, CET, CIS, CSC, ELC, ENR, and MET.

## Notes:

- 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.
- 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.