

# TECHNICAL STUDIES: UNIFORM CONSTRUCTION CODE TECHNOLOGY - AAS (5305)

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 & one Science from the Following:		8
MTH 100, MTH 101, MTH 113, MTH 119, MTH 120, MTH 121, MTH 122,		
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 (33)</b>		
UCC 109	Subcode Official	3
UCC 110	Construction Official	3
CEE 298	Cooperative Edu. Experience I	2
CEE 299	Cooperative Edu. Experience II	2
Technical Studies Electives <sup>1</sup>		7-16
<i>Code Concentration (7-16)</i>		
Select a concentration from the list below: <sup>2</sup>		7-16
Building Code		
Electrical Code		
Fire Code		
Plumbing Code		
<b>Additional Course Requirements (7 Credits)</b>		
ENR 100	Fund. of Engineering Design	2
ENR 105	Applied Computer Aided Design	2
Technical Elective <sup>3</sup>		3
<b>Total Credits</b>		<b>60</b>

- The Technical Studies Electives are chosen based on a concentration in one of the technical areas listed below. Courses may be completed for credit at Essex County College or may be transferred in from construction trade programs where a license has been obtained. The Technical Courses may be any additional (non-repeated) course designated ARC, CET, ELC, ENR, MET, or UCC or courses recommended and approved by an METCS Division academic advisor or faculty member.
- If your concentration is in Building Code (16 credits) you will take 7 credits of Technical Courses.
  - If your concentration is in Electrical Code (7 credits) you will take 16 credits of Technical courses.
  - If your concentration is in Fire Code (12 credits) you will take 11 credits of Technical Courses.
  - If your concentration is in Plumbing Code (12 credits) you will take 11 credits of Technical Courses.
- Choose the Technical Elective from the major course requirements indicated on the curriculum guides of the programs listed below or other appropriate programs. Programs and courses must be approved by an METCS Division academic advisor or faculty member.
  - Architectural Technology 2301
  - Civil Engineering Technology 5309
  - Computer-Aided Design Technology 3205
  - Computer Information Systems 2002
  - Computer Science 2302
  - Electrical and Computer Engineering Technology 2313
  - Engineering 0399
  - Mechanical and Manufacturing Engineering Technology 2314

## Concentrations

- Building Code
  - UCC 119 Building Inspector RCS
  - UCC 121 Building Inspector ICS
  - UCC 220 Building Inspector HHS
- Electrical Code
  - UCC 130 Electrical Inspector ICS
  - UCC 230 Electrical Inspector HHS
- Fire Code
  - UCC 140 Fire Prot Inspector Part I
  - UCC 141 Fire Protection Inspector II
  - UCC 240 Fire Protection Inspector HHS
- Plumbing Code
  - UCC 151 Plumbing Inspector ICS
  - UCC 250 Plumbing Inspector HHS

## 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.

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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.