

**Central Connecticut State University**  
**School of Education**

**Degree:** Bachelor of Science (Certifiable for PK-12 Education)

**Program:** Technology & Engineering Education

**Effective Term:** Fall 2025

Name: \_\_\_\_\_

ID#: \_\_\_\_\_

**General Education: Ways of Understanding:**

**Arts & Humanities (9 credits)**

	Credits	Grade
Literature	3	
	3	
	3	

**Social & Behavioral Sciences (12 credits)**

HIST 161 or 162	X	
PSY 136	X	
EDF 215	X	
TE 101	X	

**Math & Natural Sciences (9-11 credits)**

STAT 104 or 215	X	
PHYS 111 or 121 or 125	X	
MATH 115 or 119 or 124 or 135 or 152	X	

**General Education: Essential Skills:**

**Written & Oral Communication (6 credits)**

WRT 105 or 110 Intro to College Writing	3	
	3	

**World Language (0-6 credits) or Gen Ed Free Elective (3 credits)**

World Language course numbered 112 or 118* or Gen Ed Free Elective	3	
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**Thriving in College (2-3 credits)**

CCSU 102, 103, or FYE course**	2-3	
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A maximum of 16 credits (4 courses) applied towards Ways of Understanding and Essential Skills requirements may be used to fulfill a major and/or minor requirement.

**International & Equity, Justice, & Inclusion (EJI)**

**Requirements:**

International (TE 101)	X	
International	3	
Equity, Justice, & Inclusion*** (EDF 215)	3	

Coursework applied toward International & EJI requirements may be used in any other area of general education or program requirements.

**Honors Program:** HON courses can be used to fulfill certain general education requirements. Consult the Honors Program curriculum for details.

**Residency Requirements:** A minimum of 30 credits overall must be completed in residence, with at least 15 credits in the major (at least 12 of which must be at the 300 level or above) and 9 credits in a minor at Central. In residence means attending classes conducted on campus or under supervision of Central.

**Major Requirements (47 credits)**

*Requires grade of C- or higher, unless otherwise specified.*

	Credits	Grade
TE 115 STEM Laboratory Management & Safety	3	
TE 150 Fundamentals of Engineering & Technology for Teachers	3	
TE 201 Children's Creativity & Engineering	3	
TE 215 Materials Processing	3	
TE 217 Laboratory Practices	4	
TE 218 Electrical Applications for STEM	3	
TE 221 Innovation & Invention	4	
TE 245 Building Design & Construction	4	
TE 310 Communications Systems	3	
TE 330 Transportation Design	4	
TE 340 Coding & Computational Thinking for STEM	3	
TE 399 Teaching Technology & Engineering	3	
TE 417 Robot Design & Construction	4	
TE 498 Technology & Engineering Senior Design Project	3	

**Related Requirements (12-14 credits)**

TE 101 STEM and Society	3	
PHYS 111 Intro Phys OR 121 Gen Phys OR 125 Univ Phys	3-4	
STAT 104 Elementary Stats OR 215 Stat for Behavioral Sci.	3	
MATH 115 OR 119 OR 124 OR 135 OR 152	3-4	

**Additional Requirements (9 credits)**

HIST 161 or 162 American History I or II	3	
PSY 136 Lifespan Development	3	
EDF 215 Foundations of Education	3	

**Professional Education Requirements (28-31 credits)**

*Requires grade of C or higher*

TE 299 Technology & Engineering Ed Practicum	3	
EDTE 314 Applying Learning Theories in Diverse Settings (K-12 Programs)	3	
SPED 315 Intro to Educating Learners with Exceptionalities	3	
TE 400 Prof Practices & Responsibilities in Tech & Engineering Ed (K-12)	3	
EDSC 425 Multicultural, Interdisciplinary Teaching at the Secondary Level	3	
LLA 440 Literacy instruction in the Secondary School	3	
EDSC 431 Student Teaching I-Tech & Engineering Ed	5	
EDSC 432 Student Teaching II-Tech & Engineering ED	5	
TE 419 Student Teaching Seminar	1	

Coursework applied toward Related or Additional requirements may be used in any other area of general education or program requirements.

Free Electives may be used, as needed, to reach the total credits required for the degree when all other degree requirements have been met.

**Total Credits Required for Degree: 120**

\* Students with 3 years, or more, of one world language at the high school level, a passing score on a world language placement exam, or native proficiency in a language other than English will have the World Language requirement waived and can satisfy this requirement with any general education free elective course (3cr).

\*\* Transfer students with 24 or more transfer credits at the time of admission can satisfy this requirement with any general education free elective (3cr).

\*\*\* Waived for transfer students with 50 or more transfer credits at the time of admission.