

Name:

Date:

Central Connecticut State University School of Engineering, Science & Technology

B.S.Ed. in Technology & Engineering Education (K-12)

120 credits minimum†‡

effective Fall 2019

BASIC SKILLS TESTING requirement (check one) ✓

- SAT or ACT scores that include a writing score
- SAT or ACT scores PLUS a Praxis Core writing score
- OTHER: [see ccsl.edu/seps/teacherPrep](http://ccsu.edu/seps/teacherPrep)

Program checkpoints ✓

- professional acceptance (Sept. 10 / Feb. 10)
- passed PRAXIS II / Technology Education
- passed edTPA

General Education (44 credits minimum†‡)

Study Area I: Arts & Humanities prerequisites cr. ✓ ①

Literature Elective: 200-level or above	WRT 110	3	<input type="checkbox"/>
<i>study area I elective #1</i>		3	<input type="checkbox"/>
<i>study area I elective #2</i>		3	<input type="checkbox"/>

Study Area II: Social Sciences

U.S. History requirement: HIST 161 OR HIST 162		3	<input type="checkbox"/>
TE101 Introduction to STEM Systems		3	<input type="checkbox"/>
<i>study area II elective</i>		3	<input type="checkbox"/>

Study Area III: Behavioral Sciences

PSY 136 Life Span Development		3	<input type="checkbox"/>
EDF 215 Education in a Multicultural Society		3	<input type="checkbox"/>

Study Area IV: Natural Sciences

PHYS 111 Introductory Physics (OR PHYS 121 OR 125)		3	<input type="checkbox"/>
<i>study area IV elective</i>		3	<input type="checkbox"/>

Skill Area I: Communication Skills

WRT 110 Introduction to College Writing	P†	3	<input type="checkbox"/>
<i>skill area I elective</i>		3	<input type="checkbox"/>

Skill Area II: Mathematics

STAT 104 Elementary Statistics	P†	3	<input type="checkbox"/>
MATH 115 Trigonometry (OR MATH 119 OR 152)	P†	3	<input type="checkbox"/>

Skill Area III: Foreign Language requirement† (check one)

- three sequential years of one foreign language in high school
- completion of a 112- or 114-level foreign language course
- other (see catalog)

Skill Area IV: University Requirement

PE 144 (for students who enter with less than 15 cr.)		2	<input type="checkbox"/>
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International requirement: Students must select **two** courses

- ① designated "international" from among their General Education electives. Failure to do this will require 3 - 6 additional credits.

Technology & Engineering Education (76 credits)

Major Courses (47 credits) prerequisites cr. ✓

TE 115 Laboratory Safety and Management	F		3	<input type="checkbox"/>
TE 150 Fundamentals of Engineering and Technol	F	MATH 115	3	<input type="checkbox"/>
TE 201 Children's Creativity & Engineering	F	TE 101	3	<input type="checkbox"/>
TE 215 Materials Processing	S	TE 115	3	<input type="checkbox"/>
TE 217 STEM Laboratory Practices	S	TE 115	4	<input type="checkbox"/>
TE 218 Electrical Applications for STEM	F		3	<input type="checkbox"/>
TE 221 Innovation and Invention	F		4	<input type="checkbox"/>
TE 245 Building Design and Construction	S		4	<input type="checkbox"/>
TE 310 Communication Systems	S		3	<input type="checkbox"/>
TE 330 Transportation Design	S	TE 215, 221	4	<input type="checkbox"/>
TE 350 Current Topics in STEM Education	F	TE 299	3	<input type="checkbox"/>
TE 399 Teaching Technology and Engineering	F	TE 299	3	<input type="checkbox"/>
TE 417 Robot Design and Construction	F	TE 215, 221	4	<input type="checkbox"/>
TE 498 Senior Design Project	S	TE 115, 400*	3	<input type="checkbox"/>

Professional Education Requirements (29 credits)

Pre-professional block

(NOTE: EDTE 314 and TE 299 must be taken together)

TE 299 Technology & Engineering Practicum		TE 201	3	<input type="checkbox"/>
EDTE 314 Applying Learning Theories in Diverse Settings (K-			3	<input type="checkbox"/>

Professional courses

(NOTE: each of these courses requires professional acceptance)

SPED 315 Intro to Educating Learners with Exceptionalities			3	<input type="checkbox"/>
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(NOTE: EDSC 425 and TE 400 must be taken together.

Taking LLA 440, EDSC 425 and TE 400 together is strongly recommended.)

LLA 440 Literacy in the Secondary School			3	<input type="checkbox"/>
TE 400 Professional Practices and Responsibility	S	TE 399	3	<input type="checkbox"/>
EDSC 425 Principles and Evaluation (K-12)			3	<input type="checkbox"/>

Student-teaching semester

(NOTE: you may not take other courses during this semester)

EDSC 431 Student Teaching I — Technology and Engineering			5	<input type="checkbox"/>
EDSC 432 Student Teaching II — Technology and Engineering			5	<input type="checkbox"/>
TE 419 Student-Teaching Seminar			1	<input type="checkbox"/>

- P** Enrollment requires a placement exam **F** Fall-only course
***** Prerequisite course **may be** taken concurrently **S** Spring-only course

† Students who have not met the Foreign Language Requirement prior to enrollment will be required to take six additional credits of foreign language.

‡ Students' placement-test scores may require them to take between three and nine additional credits in remedial English or mathematics courses.

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Semester 1				15 credits	cr.	min. grade	CHECKPOINT	MILESTONE	WARNING
MATH 115 Trigonometry		P ‡		3	C-	• take 111-level foreign language if needed‡ (+3 cr.) • discuss BASIC SKILLS TESTING requirement with your advisor			
TE 101 Introduction to STEM Systems				3	C-				
TE 115 Laboratory Safety and Management		F		3	C-				
PSY 136 Life Span Development				3	C				
WRT 110 Intro College Writing		P ‡		3	C				
Semester 2				15 credits		min. grade	CHECKPOINT	MILESTONE	WARNING
STAT 104 Elementary Statistics		P ‡		3	C-	• maintain an overall GPA of 2.7 (3.0 preferred) • maintain a 3.0 GPA in TE courses • take 112-level foreign language if needed‡ (+3 cr.)			
TE 215 Materials Processing		S	TE 115	3	C-				
TE 217 STEM Laboratory Practices		S	TE 115	4	C-				
U.S. History: HIST 161 or HIST 162				3	C				
PE 144 Health & Wellness				2	C				
Semester 3				16 credits		min. grade	CHECKPOINT	MILESTONE	WARNING
EDF 215 Education in a Multicultural Society				3	C	• maintain an overall GPA of 2.7 (3.0 preferred) • maintain a 3.0 GPA in TE courses • complete BASIC SKILLS TESTING requirement		• failure to have met the BASIC SKILLS TESTING requirement by the end of this semester may delay your graduation.	
PHYS 111 Introductory Physics (OR PHYS 121 OR 125)				3	C-				
TE 150 Fundamentals of Engineering and Technology for Teac		F	MATH 115	3	C				
TE 201 Children's Creativity & Engineering		F	TE 101	3	C				
TE 221 Innovation and Invention		F		4	C				
Semester 4				16 credits		min. grade	CHECKPOINT	MILESTONE	WARNING
Literature Elective: 200 level+			WRT 110	3	C	• maintain an overall GPA of 2.7 (3.0 preferred) • maintain a 3.0 GPA in TE courses	• apply for professional acceptance [due Sep.10 / Feb.10]	• failure to receive professional acceptance this semester (application due Sep.10 / Feb.10) may delay your graduation.	
EDTE 314 Applying Learning Theories in Diver:	◀ must be taken concurrently			3	C-				
TE 299 Technology & Engineering Practicum				3	C				
TE 310 Communication Systems		S		3	C				
TE 245 Building Design & Construction		S		4	C				
Semester 5				15 credits		min. grade	CHECKPOINT	MILESTONE	WARNING
TE 350 Current Topics in STEM Education		F	TE 299	3	C-	• maintain an overall GPA of 2.7 (3.0 preferred) • maintain a 3.0 GPA in TE courses • complete at least 3 international credits by the end of this semester.		• failure to receive professional acceptance this semester (application due Sep.10 / Feb.10) will delay your graduation.	
SPED 315 Introduction to Educating Learners with Exceptionalities				3	C				
study area IV elective				3	C-				
TE 399 Teaching Technology & Engineering		F	TE 299	3	C				
TE 218 STEM Electrical Applications		F		3	C				
Semester 6				16 credits		min. grade	CHECKPOINT	MILESTONE	WARNING
LLA 440 Literacy Instruction in Secondary Schools				3	C	• maintain an overall GPA of 2.7 (3.0 preferred) • maintain a 3.0 GPA in TE courses • take the PRAXIS II exam by the end of this semester	• take PRAXIS II exam • apply for graduation [due 1 yr. prior to graduation]		
EDSC 425 Principles and Evaluation K-12	◀ must be taken concurrently			3	C-				
TE 400 Professional Practices and Responsibil		S	TE 399	3	C				
TE 330 Transportation Design		S	TE 215, 221	4	C				
TE 498 Senior Design Project			TE 115, 400*	3	C				
Semester 7				16 credits		min. grade	CHECKPOINT	MILESTONE	WARNING
study area I elective				3	C	• maintain an overall GPA of 2.7 (3.0 preferred) • maintain a 3.0 GPA in TE courses • complete international requirement by the end of this semester.	• apply for student teaching [due Sep.15 / Feb.15]		
study area I elective				3	C				
study area II elective				3	C-				
skill area I elective				3	C-				
TE 417 Robot Design, Construction & Competition		F	TE 215, 221	4	C-				
Semester 8				11 credits		min. grade	CHECKPOINT	MILESTONE	WARNING
EDSC 431 Student Teaching I				5	C			• you may not enroll in additional coursework during your student-teaching semester.	
EDSC 432 Student Teaching II				5	C				
TE 419 Student Teaching Seminar				1	C				

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