

## Central Connecticut State University School of Engineering and Technology

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

130 credits

### General Education (52 credits)

<b>Two international courses</b>	<b>met</b>	<input type="checkbox"/>
		<input type="checkbox"/>

<b>Foreign Language requirement (check one)</b>	<b>met</b>	
three sequential years in high school		<input type="checkbox"/>
completion of 112-level foreign language course		<input type="checkbox"/>
other (see catalog)		<input type="checkbox"/>

### Technology Education (78 credits)

<b>PPST / PRAXIS I requirement (check one)</b>	<b>met</b>	
received passing score on all three sections		<input type="checkbox"/>
received waiver form from Connecticut SDE		<input type="checkbox"/>

<b>Program checkpoints</b>	<b>met</b>	
professional acceptance (Sept. 10 / Feb. 10)		<input type="checkbox"/>
graduation application (one yr. before graduation)		<input type="checkbox"/>
student-teaching application (Sept. 15 / Feb. 15)		<input type="checkbox"/>

<b>Study Area I: Arts &amp; Humanities</b>	cr.	✓
Literature Elective: 200-level or above	3	<input type="checkbox"/>
<i>study area I elective</i>	3	<input type="checkbox"/>
<i>study area I elective</i>	3	<input type="checkbox"/>

<b>Study Area II: Social Sciences</b>		
HIST 161 OR HIST 162	3	<input type="checkbox"/>
TE 110 Technological Systems	3	<input type="checkbox"/>
<i>study area II elective</i>	3	<input type="checkbox"/>

<b>Study Area III: Behavioral Sciences</b>		
PSY 236 Life Span Development	3	<input type="checkbox"/>
<i>study area III elective</i>	3	<input type="checkbox"/>

<b>Study Area IV: Natural Sciences</b>		
PHYS 111 Introductory Physics I	3	<input type="checkbox"/>
CHEM 111 Introductory Chemistry I	3	<input type="checkbox"/>

<b>Skill Area I: Communication Skills</b>		
ENG 110 Freshman Composition (E)	3	<input type="checkbox"/>
COMM 115 OR COMM 140	3	<input type="checkbox"/>

<b>Skill Area II: Mathematics</b>		
STAT 104 Elementary Statistics (E)	3	<input type="checkbox"/>
MATH 115 Trigonometry (E)	3	<input type="checkbox"/>

<b>Skill Area III: Foreign Language / Electives</b>		
foreign lang. 111 OR elective	3	<input type="checkbox"/>
foreign lang. 112 OR elective	3	<input type="checkbox"/>
<i>free elective</i>	2	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

<b>Skill Area IV: University Requirement</b>		
PE144 for students who enter with less than 15 cr.;	2	<input type="checkbox"/>
CET 113 (3 cr.) recommended for all other students		<input type="checkbox"/>

<b>Major courses</b>	cr.	✓
CET 223 Basic Electrical Circuits (P)	3	<input type="checkbox"/>
ENGR 150 Introduction to Engineering	3	<input type="checkbox"/>
ET 241 Applied Statics & Strength of Materials (P)	3	<input type="checkbox"/>
MFG 121 Technical Drafting and CAD	3	<input type="checkbox"/>
MFG 216 Manufacturing Processes (P)	3	<input type="checkbox"/>
TE 115 Electronic Portfolios and Assessment (F)	3	<input type="checkbox"/>
TE 155 Integrating Engineering Concepts for K-8 (P) (S)	3	<input type="checkbox"/>
TE 215 Materials Processing (F)	3	<input type="checkbox"/>
TE 221 Innovation and Invention (P) (S)	3	<input type="checkbox"/>
TE 245 Building Design and Construction (P) (S)	3	<input type="checkbox"/>
TE 299 Technology & Engineering Practicum (P) (F)	3	<input type="checkbox"/>
TE 310 Communication Systems (P) (S)	3	<input type="checkbox"/>
TE 330 Transportation Design (P) (S)	3	<input type="checkbox"/>
TE 417 Robot Design, Construction and Competition (P) (F)	3	<input type="checkbox"/>
TE 498 Senior Design Project (P) (F)	3	<input type="checkbox"/>

<b>Pre-professional courses</b>		
(C) TE 399 Teaching Technology & Engineering (P) (F)	3	<input type="checkbox"/>
EDTE 314 Principles of Learning	3	<input type="checkbox"/>

<b>Professional courses</b>		
<small>(NOTE: each of these courses requires professional acceptance)</small>		
(C) TE 400 Professional Practices and Responsibilities (P) (S)	3	<input type="checkbox"/>
EDSC 425 Principles and Evaluation (K-12) (P)	3	<input type="checkbox"/>
EDF 415 Foundations of Education	3	<input type="checkbox"/>
SPED 315 Intro to Educating Learners with Exceptionalities	3	<input type="checkbox"/>
RDG 440 Introduction to Literacy	3	<input type="checkbox"/>

<b>Student-teaching semester</b>		
<small>(NOTE: you may not take other courses during this semester)</small>		
(C) EDSC 414 Preliminary Student Teaching	6	<input type="checkbox"/>
EDSC 415 Student Teaching	6	<input type="checkbox"/>

Revised 04/16/09 / Effective Fall 2009

**For more information:**

Technology Education office: (860) 832-1850

[www.teched.ccsu.edu](http://www.teched.ccsu.edu)

- (F) Course generally offered only in the **fall** semester
- (S) Course generally offered only in the **spring** semester
- (E) Enrollment requires a placement exam
- (P) There is a prerequisite to this course.
- (C) these courses must be taken concurrently.

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**Suggested four-year schedule**  
 see your advisor to plan your courses

**First Year (32 credits)**

		<b>• take PPST (PRAXIS I) exam</b>	
TE 110	3	TE 155	3
TE 115	3	MFG 121	3
ENGR 150	3	MFG 216	3
ENG 110	3	STAT 104	3
MATH 115	3	HIST 161 or HIST 162	3
	<u>15</u>	PE 144	2
			<u>17</u>

**Second Year (36 credits)**

TE 215	3	TE 221	3
TE 299	3	TE 245	3
PHYS 111	3	CHEM 111	3
PSY 236	3	ET 241	3
General Education	3	COMM 115 or COMM140	3
General Education	3	General Education	3
	<u>18</u>		<u>18</u>

**Third Year (35 credits)**

<b>• apply for professional acceptance</b> [due Sept. 10 (Feb. 10 for Spring)]		<b>• apply for CCSU graduation</b> [due one year prior to graduation]	
TE 399	3	TE 400	3
EDTE 314	3	EDSC 425	3
CET 223	3	SPED 315	3
General Education	3	TE 310	3
General Education	3	TE 330	3
General Education	3	free elective	2
	<u>18</u>		<u>17</u>

**Fourth Year (27 credits)**

<b>• apply for student teaching</b>			
<b>• take PRAXIS II</b>		<b>Student Teaching Block</b>	
EDF 415	3	EDSC 414	6
RDG 440	3	EDSC 415	6
TE 417	3		<u>12</u>
TE 498	3		
General Education	3		
	<u>15</u>		