

## About the Program

The Technology Education Program prepares professionals to teach technology-related subjects in middle, junior high and high schools. The program qualifies candidates for the Type 09 Illinois High School Certificate in Technology Education for Grades 6-12, and it includes the following four industrial technology specializations:

Communication; Energy Utilization; Production; and Transportation

With additional course work, the program offers opportunities to complete requirements for the following designations:

- Certified Cisco Networking Administrator (CCNA) through CISCO Systems, Inc.
- Work-based (Cooperative) Education Coordination (through the Illinois State Board of Education)

The program is approved by the National Council on Accreditation of Teacher Education's Committee on Technology Teacher Education (NCATE/CTTE) and Illinois State Board of Education. Included among the subjects taught by Technology Education teachers are Graphic and Web Page Design, Computer Networking, Computer Assisted Drafting, Manufacturing, Construction, Auto Technology, and Computer Hardware Repair. Teacher certification requires successful completion of the Illinois Certification Tests of Basic Skills, the Assessment of Professional Teaching (APT) Test, and the Technology Education Content Area Test.

For additional information,  
call 773/995-3807, visit  
<http://www.csu.edu/TechnologyEducation/techedprog.htm>,  
E-mail [s-gist@csu.edu](mailto:s-gist@csu.edu), or write  
Chicago State University  
Department of Technology and Education  
9501 S. King Drive--Education 203  
Chicago, Illinois 60628-1598

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CHICAGO STATE UNIVERSITY

*Department of Technology and Education*

## Industrial Technology Education Program

*Information and Requirements*



**Bachelor of Science Degree in  
Education in Career and Technical  
Education—Industrial Technology  
Education Option**

*and*

**Illinois Technology Education (Type 09,  
Grades 6-12) Teacher Certification**

## General Education Requirements

39 Credit Hours

<b>COMPOSITION 6 Credit Hours</b>	
ENG 127 Composition I	3
ENG 128 Composition II	3
<b>HUMANITIES 6 Credit Hours</b>	
SPCH 113 Communication for Professionals	3
ART 200 Survey of Women (Diversity)	3
<b>FOREIGN LANGUAGE 6 Credit Hours</b>	
Foreign Language Elective*	3
Foreign Language Elective*	3
<b>PHYSICAL AND LIFE SCIENCES 6 Credit Hours** (1 Lab)</b>	
BIOL 107 or 108 (Lab)	3
Ph S 108 Critical Thinking about Technology	3
<b>SOCIAL SCIENCES 9 Credit Hours</b>	
HIST 130, HIST 131-- US History, or POL 101-Amer Natl Gov***	3
PSYC 14 1 Intro to Psych***	3
PSYC 204 Chldhd and Adol Psy***	3
<b>MATHEMATICS 6 Credit Hours</b>	
MATH 162 College Algebra	3
MATH 163 College Algebra & Trigonometry	3
<b>TOTAL General Education Sem. Hours</b>	<b>39</b>

## Professional Education Requirements

28 Credit Hours

ELCF 152 Introduction to Teaching	2
ELCF 200 Hist & Phil of Amer Public Ed	3
PSYC 206 Ed Psy for Sec Teachers	3
S ED 301 Charac of Excep Chldrn	3
S ED 303 Tch Stud with Execpt Needs	2
RDG 306 Cntnt Rdng for Mdl Schl Tchrs****	2
ELCF 353 Principles and Practices of Secondary Ed****	2
T&ED 363 Methods of Tchng Vocational Subjects****	3
IT 092 Illinois Tchr Certif Revw—Tech Ed (1 non-credit hr)	
T&ED 391 Internships in Technology Education****	2
T&ED 375 Student Teaching in Technology Education****	6
<b>TOTAL Professional Education Sem. Hours</b>	<b>28</b>

## Specialization Core and Concentration Requirements

30 Credit Hours

<b>Specialization Core Courses</b>	
IT 111 Basic Tech Drawing	3
IT 142 Graph Communication	3
IT 233 Networking Configuration I	3
IT 172 or 379 Energy and Power Utilization	3
IT 272 Power and Transportation Technology)	3
IT 250 Manufacturing Processes	3
or IT 266 Modern Carpentry	3
IT 333—Network Configuration II	3

### Concentration Courses

**Minimum of nine (9) credit hours of directed electives n one of the following concentration areas:**

- Communication (Drafting,Graphics Arts, Electronics)
- Production (Construction and Manufacturing)
- Energy Utilization
- Transportation
- Total Concentration 9

**Total Specialization Core and Concentration Sem. Hours 30**

## Professional Technology Requirements

30 Credit Hours

T&ED 120 Computing Techniques for Teachers	3
T&ED 291 Technology and Society	3
T&ED 330 Microcomputer Applications	3
T&ED 346 Presentations	3
T&ED 347 Cyberspace Publishing	3
T&ED 381 Distant Education Technologies	3
T&ED 383 Planning and Financing Occupational Programs	3
T&ED 384 Org and Admin of Coop Progs	3
T&ED 385 Supervision of Industrial Safety	3
T&ED 398 Foundations of Occupational Education (eff. 1/06)	3
<b>Total Professional Technology Semester Hours</b>	<b>30</b>

**Total Semester Hours for Program Completion = 127**

### Explanation of Symbols

*\*Both language courses must be in the same language*

*\*\*At least one laboratory course required*

*\*\*\*Course must be passed with "C" or better grade*

*\*\*\*\*Course restricted to students admitted to the College of Education*