



Pittsburg State University College of Technology Program Guide

Degree: Bachelor of Science in Education
Major: Technology and Engineering Education
Emphasis/Option:
Minor (if required):

As of Fall 2016

Education and Psychology Requirements* (32 hours)

PSYCH 263: Developmental Psychology	3
EDUC 261: Explorations in Education	3
PSYCH 357: Educational Psychology	3
SPED 510: Overview of Special Education	3
EDUC 520: Methods and Materials for Academic Literacy	3
TE 579: Supervised Student Teaching and Follow-Up of Teachers	2
Professional Semester (including TE 579)	17

*See [Admission to Professional Semester](#) for professional education grade point requirements.

Must be admitted to Teacher Education to enroll in PSYCH 357 and EDUC 520.

Technology and Engineering Education Core (32 hours)

GT 130: Applications in STEM	3
GT 191: Foundations of Technology and Engineering	2
GT 300: Engineering Design and Problem Solving	3
GT 310: Contextual Topics in Technology and Engineering	3
GT 320: Communication Systems in Technology	3
GT 330: Engineering Materials and Processes	3
GT 340: Power/Energy/Transportation Systems	3
GT 360: Computer Aided Drafting	3
GT 370: Construction Systems Technology	3
GT 380: Manufacturing Enterprise	3
GT 390: Automated Systems	3

Technology and Engineering Education Professional Core (11 hours)

TE 420: Professional Development 1	2
TE 421: Professional Development 2	2
TE 479: Teaching Techniques for Technology and Engineering Education	3
TE 496: Organization and Management for Technology and Engineering Education	3
TE 551: Integrated Technology for Educators	3
TE 679: Senior Assessment in Technology and Engineering Education	1

TE 551 is not included in core total; hours calculated in general education total.

*Electives may be needed to meet 124 hour degree requirement.

Students planning to teach should become familiar with the current Regulations for Certifying School Personnel, issued by The State Board of Education. Information concerning these regulations may be obtained from the Director of Teacher Education, 110 Hughes Hall, Pittsburg State University.

Second Teaching Option

For students who major in other teaching areas, this option can open additional teaching positions. Students successfully completing this second teaching option can receive a teaching license for General Technology Education (typically middle school and entry-level high school technology courses). Interested teaching candidates should contact the chairperson of the Department of Technology and Workforce Learning, or the Certification Specialist in the College of Education, Room 110 Hughes Hall, for specific requirements.

Course for Second Teaching Option (31 hours)

GT 300: Engineering Design and Problem Solving	3
GT 320: Communication Systems in Technology	3
GT 330: Engineering Materials and Processes	3
TE 331: Overview of Technology and Engineering in STEM Ed	3
GT 340: Power/Energy/Transportation Systems	3
GT 350: Technology and Civilization	3
GT 370: Construction Systems Technology	3
GT 380: Manufacturing Enterprise	3
TE 479: Teaching Techniques for Technology and Engineering Education	3
TE 496: Organization and Management for Technology and Engineering Education	3
TE 551: Integrated Technology for Educators	3
TE 679: Senior Assessment in Technology and Engineering Education	1

GT 350 and TE 551: 3 hours not included in core total; 3 hours of GT 350 or TE 551 can be taken as General Education requirement.

Must be admitted to Teacher Education to enroll in TE 479.

**GENERAL EDUCATION REQUIREMENTS*
(47-51 hrs.)**

Basic Skills 12 hours

COMM	207	Speech Communication.....	3
ENGL	101	English Composition.....	3
ENGL	190	Honors English Composition.....	3
	or ENGL 299	Introduction to Research Writing.....	3
MATH	113	College Algebra.....	3
	or MATH 110	College Algebra with Review	5

Must have a "C" or better in each of these Basic Skill courses.

Sciences 8-9 hours

<i>Natural Sciences (Select one)</i>			
BIOL	111/112	General Biology and Laboratory.....	5
BIOL	113	Environmental Life Science	4
BIOL	211	Principles of Biology I.....	4
<i>Physical Sciences (Select one)</i>			
CHEM	105/106	Introductory Chemistry and Laboratory	4
PHYS	160/165	Physical Geology and Laboratory	4
PHYS	166/167	Meteorology and Laboratory	4
PHYS	171/172	Physical Science and Laboratory	4
PHYS	175/176	Descriptive Astronomy and Laboratory	4
PHYS	375/176	Solar System Astronomy and Laboratory	4

Social Studies (Select one) 3 hours

SOC	100	Introduction to Sociology	3
WGS	200	Introduction to Women's Studies	3

Political Studies (Select one) 3 hours

POLS	101	U.S. Politics	3
POLS	103	Comparative Political Institutions	3

Producing and Consuming.....6 hours

TE	551	Integrated Technology for Educators.....	3
ACCTG	201	Financial Accounting	3
	or CIS 130	Computer Information Systems	3
	or MGMKT 101	Introduction to Business	3
	or ECON 191	Issues in Today's Economy	3
	or FCS 230	Consumer Education and Personal Finance....	3

Fine Arts and Aesthetic Studies (Select one)..... 2-3 hours

ART	155	Printmaking and Paper Arts.....	3
ART	178	Introduction to the Visual Arts.....	3
ART	188	The Designed World.....	3
ART	217	Crafts I.....	3
ART	222	Jewelry Design I.....	3
ART	233	Drawing I.....	3
ART	244	Ceramics I.....	3
ART	266	Sculpture I.....	3
ART	277	Painting I.....	3
ART	288	Introduction to Art History I.....	3
ART	289	Introduction to Art History II.....	3
ART	311	Art Education.....	3
ART	351	Printmaking, Papermaking, Bookarts and the Letterpress.....	3
ART	430	Automotive: Art and Design.....	3
COMM	105	Performance Appreciation	3
COMM	205	Performance Studies	3

COMM	295	Theatre History.....	3
ENGL	250	Introduction to Creative Writing	3
HHP	151	Dance Appreciation.....	3
MUSIC	120	Music Appreciation	3
MUSIC	121	Introduction to Music Literature	2

Cultural Studies (Select one) 3 hours

ANTH	101	Introduction to Cultural Anthropology.....	3
MLL	114	Chinese Language and Culture I.....	3
MLL	124	French Language and Culture I.....	3
MLL	154	Spanish Language and Culture I.....	3
MLL	184	Russian Language and Culture I.....	3
MLL	194	Korean Language and Culture I.....	3
GEOG	106	World Regional Geography	3
GEOG	300	Elements of Geography.....	3
GEOG	304	Human Geography.....	3
WGS	399	Global Women's Issues.....	3

Health and Well Being 4-6 hours

<i>Psychological</i>			
PSYCH	155	General Psychology	3
<i>Physical (Select one)</i>			
FCS	203	Nutrition and Health.....	3
FCS	301	Nutrition.....	3
HHP	150	Lifetime Fitness Concepts.....	1
NURS	303	Introduction to Public Health.....	3

Human Heritage 6 hours

(Select one from two of the following three categories)

<i>History</i>			
HIST	101	World History to 1500.....	3
HIST	102	World History from 1500.....	3
HIST	201	American History to 1865.....	3
HIST	202	American History from 1865.....	3
<i>Literature</i>			
ENGL	113	General Literature.....	3
ENGL	114	General Literature (Genre).....	3
ENGL	116	General Literature (Theme).....	3
ENGL	120	Literature and Film	3
ENGL	315	Mythology.....	3
ENGL	320	Literature and Film	3
<i>Philosophy</i>			
PHIL	103	Introduction to Philosophy.....	3
PHIL	105	Ethics.....	3
PHIL	111	Ethics: Applied Emphasis (____).....	3
PHIL	112	Biomedical Ethics.....	3
PHIL	113	Business Ethics.....	3
PHIL	114	Environmental Ethics.....	3
PHIL	207	Critical Thinking.....	3
PHIL	208	Logic.....	3
PHIL	231	World Religions.....	3

*For specific courses see general education degree requirements, [General Education Requirements for Students Preparing to Teach Secondary School](#).

Notes

NOTE: The information contained herein is intended to be used for the planning of a student's academic program and does not constitute a contract. While this guide was prepared with the latest information, courses, graduation requirements, and curricula are subject to change.

When a student attains 85 semester hours of credit (including current enrollment) the student must apply for a degree check in the Office of the Registrar (Degree Checking Section), Room 102 Russ Hall.

MINIMUM GENERAL REQUIREMENTS: The minimum requirements for graduation include 124 semester hours of which 60 hours must be from a four year university. In addition, 45 semester hours must be upper division and 30 hours in residence at PSU (including 24 of the last 30). Minimum GPA for non-education degree is 2.0 overall [2.0 in major], secondary education degree is 2.5 overall [2.75 in major], and early/late childhood/unified degree is 2.80 overall [3.0 in major]. A minimum GPA of 2.0 in any minor and in residence coursework is required. General Education and all degree requirements are provided in the online catalog. Refer to individual departments for specific requirements.