



# Pittsburg State University

## College of Technology Program Guide

Degree: Bachelor of Science in Technology  
Major: Architectural Manufacturing Management and Technology  
Emphasis/Option: Wood Teacher Training Emphasis  
Minor (if required):

As of Fall 2018

### Support Courses (12 hours)

MATH 122: Plane Trigonometry .....	3
or MATH 143: Elementary Statistics .....	3
ECON 200: Principles of Microeconomics .....	3
ENGL 301: Technical/Professional Writing .....	3
MKTG 330: Principles of Marketing .....	3

### Technical Courses

#### Wood Technology Area

AMMT 182: Wood Science .....	3
AMMT 185: Fundamentals of Architectural Manufacturing .....	3
AMMT 226: CAD for Architectural Product Development .....	3
AMMT 282: Machine Processes in Architectural Manufacturing.....	3
AMMT 286: Primary Wood Processing .....	3
AMMT 301: Finishing .....	3
AMMT 333: Tool Technology .....	3
AMMT 383: Computer-Aided Manufacturing (CAM) in Architectural Manufacturing Technology .....	3
AMMT 399: Architectural Manufacturing Technology Professional Development .....	2
AMMT 412: Overlay and Laminate Materials .....	3
AMMT 426: Architectural Millwork and Casework .....	3
AMMT 511: Production Techniques in Architectural Product Manufacturing .....	3
AMMT 523: Computer Applications in Cabinetmaking .....	3
AMMT 525: Cabinets and Fixtures .....	3
AMMT 602: Manufacturing Facility Maintenance and Management .....	3
AMMT 699: Architectural Manufacturing Senior Seminar .....	1

### General Technology Support Courses

#### Wood Teacher Training Emphasis- Technical Education (8-9 hours)

TTED 694: Foundations of Career and Technical Education .....	3
or PSYCH 263: Developmental Psychology .....	3
TTED 396: Curriculum Usage in Technical Education .....	2
or EDUC 261: Explorations in Education .....	3
TTED 698: Leadership and Professionalism in Career and Technical Education .....	3
or PSYCH 357: Educational Psychology .....	3

Courses recommended for those seeking 7-12 Technology & Engineering certification:

- PSYCH 263 - Developmental Psychology
- EDUC 261 - Explorations in Education
- PSYCH 357 - Educational Psychology

### Wood Teacher Training (Select 18 hours)

#### Technical Education\*\*\*

TTED 391: Student Assessment Development in Career and Technical Education .....	3
or GT 130: Applications in STEM .....	3
TTED 395: Task Analysis for Technical Teachers .....	1
TTED 479: Techniques for Teaching Career and Technical Education .....	3
or TE 479: Teaching Techniques for Technology and Engineering Education .....	3
TTED 608: Components of Work-based Learning in Career and Technical Education .....	3
or EDUC 520: Methods and Materials for Academic Literacy .....	3
TTED 695: Using Technology as an Instructional Tool .....	3
or GT 320: Communication Systems in Technology .....	3
TTED 697: Identification and Instruction of Students with Special Needs .....	3
or SPED 510: Overview of Special Education .....	3
TTED 780: Classroom Management in Career and Technical Education .....	3
or TE 496: Organization and Management for Technology and Engineering Education .....	3

Courses recommended for those seeking 7-12 Technology & Engineering certification:

- GT 130 – Applications in STEM
- TE 479 – Teaching Techniques for Technology and Engineering Education
- EDUC 520 – Methods and Materials for Academic Literacy
- GT 320 – Communication Systems in Technology
- SPED 510 Overview of Special Education
- TE 496 – Organization and Management for Technology and Engineering Education

TTED 395 is waived if student took GT 320 instead of TTED 695.

\*\*\*Those seeking teacher certification, additional coursework is required. See Technical Teacher Education or Technology and Engineering Education advisor for more information.

## GENERAL EDUCATION REQUIREMENTS

(46-51 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	110	College Algebra with Review .....	5
or MATH	113	College Algebra.....	3
or MATH	133	Quantitative Reasoning .....	3

### Sciences 8-9 hours

Natural Sciences ( <i>Select one</i> )			
BIOL	111/112	General Biology and Laboratory.....	5
BIOL	113	Environmental Life Science .....	4
BIOL	211	Principles of Biology I.....	4
Physical Sciences ( <i>Select one</i> )			
CHEM	105/106	Introductory Chemistry and Laboratory .....	4
CHEM	107/108	Chemistry for Life Sciences and Laboratory.....	4
PHYS	160/165	Physical Geology and Laboratory .....	4
PHYS	171/172	Physical Science and Laboratory .....	4

### Social Studies 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 5-6 hours

GT	190	Introduction to Technological Systems .....	2
or GT	350	Technology and Civilization.....	3
ACCTG	201	Financial Accounting .....	3
or CIS	130	Computer Information Systems .....	3
or MGT	101	Introduction to Business .....	3
or MGT	105	Introduction to Entrepreneurship.....	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	395	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

MUSIC 120 Music Appreciation (Classical, Jazz, or World Music)

### 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

Psychological			
PSYCH	155	General Psychology .....	3
Physical ( <i>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*)

History			
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

Literature			
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

Philosophy			
PHIL	103	Introduction to Philosophy.....	3
PHIL	105	Ethics.....	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

## 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.