



Pittsburg State University
College of Technology Program Guide

Degree: Bachelor of Applied Science
 Major: Technology (Automotive Technology)
 Emphasis/Option: Diesel and Heavy Equipment (Caterpillar ThinkBIGGER) Emphasis
 Minor (if required):

As of Fall 2017

Business Support Courses

Business Courses

MGT 330: Management and Organizational Behavior3
 MGMKT 444: Legal and Social Environment of Business3
 MGT 540: Human Resources Management3
 or MKTG 330: Principles of Marketing3

Diesel and Heavy Equipment (Caterpillar ThinkBIGGER) Emphasis Courses

Technology Management (Organization and Leadership)

AT 580: Dealership Service Operations3

(Select 9 hours from below)

TM 606: Industrial Supervision3
 AT 687: Corporate Sales, Service, and Parts Management3
 AT 695: Corporate Service and Part Management3
 EST 393: Introduction to Industrial Safety3
 EST 396: Introduction to Construction Safety3
 MFGET 405: Quality Control3

or approved substitute safety or management course

Technical Specialization, Support and Electives

Technical Specialization

- Technical courses from 2-Year associate degree (40 hours)

AAS Technical courses from CAT ThinkBIG program

Automotive Technical Support Courses

AT 300: Automotive Internship (____)3-6
 AT 399: Professional Development in the Transportation Industry2
 AT 621: Advanced Diesel Electronics and Diesel Engine Laboratory3
 AT 654: Advanced Hydraulic Systems and Off Highway Systems Laboratory3
 AT 699: Senior Seminar1

Technical Electives (Select 12 hours from below)

AT 400: Automotive Internship (____)3-6
 AT 416: Fluid Power3
 AT 418: Failure Analysis3
 AT 519: Mobile Fuels, Lubricants and Alternate Fuels3
 AT 630: On Highway Systems3
 AT 640: Off Highway Systems3
 AT 650: Dynamometer and Performance Testing3

AT 300 and AT 400 should be taken for 3 hours each.

GENERAL EDUCATION REQUIREMENTS

Basic Skills

ENGL	101	English Composition	3
ENGL	299	Introduction to Research Writing	3
	or ENGL	301 Technical/Professional Writing	3
COMM	207	Speech Communication	3

COMM 207 as well as ENGL 301 can have other courses substituted in their place.

Behavioral, Social, History & Political Studies

PSYCH	155	General Psychology	3
SOC	100	Introduction to Sociology	3
	or POLS	101 U.S. Politics	3
	or HIST	201 American History to 1865	3
	or GT	350 Technology and Civilization	3
	or TM	350 Societal Influence of Technology	3
	or Social Science and/or Political Studies Elective		3

Mathematics

MATH	113	College Algebra	3
	or MATH	114 Elements of Technical Analysis	3
MATH	143	Elementary Statistics	3

MATH 114 as well as MATH 143 can be substituted by another mathematics course.

Sciences *(Minimum of 6 hours)*

BIOL	113	Environmental Life Science	4
PHYS	171	Physical Science	3
PHYS	172	Physical Science Laboratory	1

BIOL 113 can be substituted by another natural science course.

PHYS 171 can be substituted by another physical science course.

Producing and Consuming

ACCTG	201	Financial Accounting	3
	or Approved business substitute		3

Fine Arts *(Select one)*

ART	178	Introduction to the Visual Arts	3
COMM	105	Performance Appreciation	3
COMM	205	Performance Studies	3
HHP	151	Dance Appreciation	3
MUSIC	120	Music Appreciation	3
	Approved Humanities (e.g., Ethics)		3

Cultural Studies *(Select one)*

GEOG	300	Elements of Geography	3
GEOG	304	Human Geography	3
	Approved elective from cultural studies		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.