

CAREER DEVELOPMENT

Four-Year BAS Program Diesel & Heavy Equipment

For those who want to take their career to another level, this program offers students who have graduated from any corporate-affiliated (e.g., John Deere, Caterpillar, etc.) or generic diesel and heavy equipment service technician program the opportunity to extend their education and training at **Pittsburg State University's College of**



Kansas Technology Center

Technology in Pittsburg, Kansas. In fact, all associate degree graduates (with a minimum of 2.5 GPA) can automatically transfer up to 64 college credits to Pittsburg State. Graduates receive a Bachelor of Applied Science (Automotive Service Technology) by taking a minimum of **60 additional hours, in as little as two years.**

Like the two-year technician programs, this bachelor degree gives you complete, hands-on training for a real-world job. But in addition, this four-year program gives you engineering technology, theory, logic, leadership and business skills to broaden your knowledge, better prepare you for management opportunities, and make you a more versatile employee. You'll also have access to on-campus housing, as well as scholarship and internship opportunities.

Classes

Program coursework is comprehensive, specialized, and well-rounded. Your course areas will include those similar to the types you took in the associate program, but with an emphasis in:

- Service Management
- Manufacturing Management
- Diesel and Heavy Equipment

The total program consists of course work in the following areas:

General Education (min. 36 credit hours, including courses in two-year program)

- English (including technical writing)
- Speech
- Math
- Science
- Computer applications
- Humanities
- Social Sciences
- Language and Culture

Business Support Courses (min. 12 credit hours from AACSB-accredited program)

- Accounting
- Org Theory & Behavior
- Legal & Social Environment of Business
- Marketing

Technical/Professional Courses (approximately 76 credit hours)

- Automotive service courses (40+ credit hours from 2-Yr program)
- Tech Organization & Leadership courses (12 credit hours)
 - Industrial Supervision
 - Industrial Safety (or approved substitute)
 - Service Management Seminar
 - Industrial Organization & Technology Management
- Tech Support and elective courses (24 credit hours)
 - Quality Control/Process Improvement
 - Internships
 - Professional development and senior seminar courses
 - Technical electives related to automotive service, manufacturing, business, and technical training; selected based on career objectives.

FMI, contact: Mr. Bob Schroer, Diesel & Hvy Equip Coord. (email: rschroer@pittstate.edu or phone: 620-235-6126)

Requirements for **Bachelor of Applied Science in Tech** Degree: **BAS**
 Name: _____ Date: _____
 Major: **Diesel & Heavy Equipment Service Emphasis** Option: **N/A**
 Minor: _____ Year of Relevant Catalog: **2007-09**

GENERAL EDUCATION	Hours	300+
Basic Skills	9	
ENGL 101 English Composition		
*ENGL 299 Research Writing __, or		
ENGL 301 Tech Writing __, or sub _____	3	—
COMM 207 Speech, or sub; _____	3	
Behavioral, Social, History & Political Studies	6	
SOSCI Social Science Elective _____	3	—
(SOSCI 100 Sociology; 101 Amer Gov't; HIST 201; GT/TM 350 Tech & Civ; or Soc. &/or Pol. Studies)		
*PSYCH 680 Human Relations in Ind. Settings or		
PSYCH 155 General Psychology	3	—
Mathematics	6	
MATH 113 College Algebra (or)		
MATH 114 Elements of Technical Analysis (or)		
math substitute _____	3	
MATH 143 Elementary Statistics		
(MATH 143 required for MFGET 405) (or)		
math substitute: _____	3	
Natural Sciences (Minimum 6)	8	
BIOL 113 Environmental Life Science	4	—
(or science sub: _____)		
PHYS 171/172 Physical Science	4	—
(or science sub: _____)		
Producing and Consuming	3	
ACCTG 201 Financial Accounting (or)		
Approved business substitute _____	3	
Fine Arts (Humanity course)	3	
General Education Fine Arts courses (Art 102 or		
103; or COMM 105 or 205; or HPER 151; or		
MUSIC 120, or approved Humanities (e.g., Ethics)	3	
Languages and Culture	3	—
SOSCI 304 Human Geography (or)		
SOSCI 300 Elements of Geography (or)		
Approved elective from this area	3	—
	36-39	0-12
(TOTAL GENERAL EDUCATION REQUIRMENT min.		
36 [__ from 2-YR program and __ from PSU])		

BUSINESS SUPPORT COURSES	HOURS	300+
Business Courses	9	9
MGMKT 327 Org Theory & Behavior	3	3
MGMKT 444 Legal & Soc Env. of Business	3	3
MGMKT 629 Human Resource Mngmnt (or)		
MGMKT 330 Basic Marketing (or		
Approved 300+ Business elective, e.g., TQM)	3	3
	9	9
TECHNICAL COURSES		
Tech Management (Organization & Leadership)	12	12
TTED 606 Industrial Supervision	3	3
EST 603 Industrial Safety or approved substitute		
safety course _____	3	3
AT 690 Automotive Merchandising (or)		
AT 691 Automotive Service Management	3	3
TM 500 Ind. Org. & Tech Management	3	3
	12	12
Technical Specialization, Support, & Electives		
Technical Specialization		
AAS Technical courses from 2-year program	40	
Technical Support	15	15
MFGET 405 Quality Control or		
approved substitute	3	3
AT 399 Automotive Professional Development (2)		
& AT 699 Senior Seminar/Assessment (1)	3	3
AT 300 Internship	3	3
AT 400 Internship	3	3
AT 621 Adv Diesel Electronics & Diesel Eng Lab	3	3
	15	15
Tech Electives (Select 9 hours from below:)	9	3-9
AT 414 Automatic Transmissions	3	3
AT 519 Fuels and Lubricants	3	3
AT 630 On-Highway systems	3	3
AT 640 Off-Highway Systems	3	3
AT 654 Advanced Hydraulic Systems	3	3
MFGET 160 Manufacturing Graphics	3	
MFGET 261 Computer-Aided Part Design	3	
* _____	3	
	85	39-45
GRAND TOTAL (Gen. Ed., Business & Tech)	124	45
* May select training courses (e.g., technical instructor)		

Graduation Requirements

Minimum Total Hours	124	_____
Minimum 4-Yr Credit Hrs.	60	_____
Minimum 300+ Credit Hrs.	45	_____
PSU Residence Requirement	30	_____

NAIT Minimum Requirements

General Education	21	_____ (24)
Math	06	_____ (06)
Science	06	_____ (06-09)
Management	12	_____ (21)

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 available on **06/21/08**, courses, graduation requirements, and curricula are subject to change.