



# Pitt State

Name: \_\_\_\_\_

ID: \_\_\_\_\_

Automotive Technology (Diesel and Heavy Equipment), Bachelor of Science in Technology

Catalog 2024-25

This academic degree map is a term-by-term course schedule designed for you to graduate in four years. The sample schedule below serves as a general guideline to building a full-time schedule for each term. Earning a degree requires that you complete (1) the required General Education courses, (2) the course requirements of your major and (3) any requirements PSU has designated for a Bachelor degree. Courses and special notes are specified to keep you on track to graduate in four years. Where open elective is listed, it means that you may take a course of your choosing, perhaps a course in an area outside of your major, but be sure to discuss this with your advisor.

This map is not a substitute for academic advisement – contact your advisor if you have any questions throughout the term and as you begin planning for the next. The University Catalog is also available as a resource with a complete list of requirements for all degrees offered at PSU.

### Recommended 4-years to graduation plan

Code	Semester 1 - FRESHMAN YEAR	Credit	NOTES
AT 100	Orientation to the Transportation Industry	1	
AT 213	Engine Systems	3	
AT 210	Brake Systems	3	
ENGL 101	English Composition (SGE) <sup>010</sup>	3	C or better
UGS 150	Gorilla Gateway (SGE) <sup>070</sup>	2	
Bucket 060	Arts & Humanities (SGE) <sup>060</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

Code	Semester 2 - FRESHMAN YEAR	Credit	NOTES
AT 301	Fundamentals of Collision Technology	3	
AT 115	Mobile Electrical/Electronics	3	
AT 116	Mobile Electrical/Electronics Lab	3	
ENGL 299	Intro to Research Writing (SGE) <sup>010</sup>	3	C or better
Bucket 070	Institutionally Designated (SGE) <sup>070</sup>	1	
Bucket 070	Institutionally Designated (SGE) <sup>070</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>16</b>	

	Semester 3 - SOPHOMORE YEAR	Credit	
MFGET 162	Welding Processes and Procedures	3	
AT 211	Steering, Alignment and Suspension	3	
AT 314	Manual Transmission & Drivelines	3	
MATH 143	Elementary Statistics (SGE) <sup>030</sup>	3	
Bucket 040	Natural & Physical Sciences (SGE) <sup>040</sup>	4-5	
<b>TOTAL CREDIT HOURS</b>		<b>16-17</b>	

	Semester 4 - SOPHOMORE YEAR	Credit	
AT 340	Diesel Engine Performance	3	
AT 399	Professional Development	2	
AT 414	Automatic Transmissions	3	
AT 416	Fluid Power	3	
ECON 200	Principles of Microeconomics	3	
<b>TOTAL CREDIT HOURS</b>		<b>14</b>	

	Semester 5 - JUNIOR YEAR	Credit	
AT 415	Mobile Climate Systems	3	
AT 642	Agricultural Equipment and Powertrains	3	
100+	Approved Technical Elective	3	
ENGL 301	Technical & Professional Writing	3	
COMM 207	Speech Communication (SGE) <sup>020</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 6 - JUNIOR YEAR	Credit	
AT 641	Construction Equipment Systems	3	
AT 580	Dealership Service Operations	3	
AT 418	Failure Analysis	3	
100+	Approved Technical Elective	3	
Bucket 050	Social & Behavioral Sciences (SGE) <sup>050</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 7 - SENIOR YEAR	Credit	
AT 630	On Highway Systems	3	
AT 654	Advanced Hydraulic Systems	3	
AT 620	Hybrid, Electric & Fuel Cell Vehicles	3	
AT 410	Data Analysis & Management Trans Industry	1	
Bucket 050	Social & Behavioral Sciences (SGE) <sup>050</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>13</b>	

	Semester 8 - SENIOR YEAR	Credit	
AT 519	Mobile Fuels, Lubricants & Fluids	3	
AT 699	Senior Seminar	1	
AT 621	Adv Diesel Elec & Diesel Eng Lab (or AT 515)	3	
100+	Approved Technical Elective	3	
100+	Approved Technical Elective	3	
Bucket 060	Arts & Humanities (SGE) <sup>060</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>16</b>	

Writing to Learn: Typically one from general education and one in major coursework.

#### Systemwide General Education (SGE) Key

- |                                 |                                  |
|---------------------------------|----------------------------------|
| 010 English                     | 050 Social & Behavioral Sciences |
| 020 Communications              | 060 Arts & Humanities            |
| 030 Math & Statistics           | 070 Institutionally Designated   |
| 040 Natural & Physical Sciences |                                  |