

# Course Sequence Guide

(Please note: They are guides that provide a general roadmap so not every student's schedule will look exactly like this.)

## BST – Advanced Vehicle Systems

### Freshman (1<sup>st</sup> semester Fall)

1hr AT 100 Orientation to the Transportation Industry  
3hr AT 115 Mobile Electrical (AT 621 pr)  
3hr AT 116 Mobile Electrical Lab (WL)  
3hr ENGL 101 English Comp (ENGL 299 pr) (A0)  
3hr Human Systems/Diverse Perspectives (E1)  
2hr UGS 150 Gorilla Gateway (H0)  
15hrs

### Freshman (2<sup>nd</sup> semester Spring)

3hr AT 213 Engine Systems  
3hr AT 210 Brake Systems  
2hr EET 100 Prolog to Electronics  
3hr COMM 207 Speech Communication (B0)  
1hr HHP 150 Lifetime Fitness Concepts (G0)  
3hr PSCYH 155 General Psychology (WL) (G4)  
15hrs

### Sophomore (1<sup>st</sup> semester Fall)

3hr 211 Steering, Suspension & Alignment  
4hr Natural World/Scientific Inquiry (F4)  
3hr MATH 143 Elementary Statistics (C0)  
3hr EET 141 Introductory Electronics (EET 144 pr)  
OR AT 301 Fundamentals of Collision Technology  
3hr Automotive Technical Elective  
16hrs

### Sophomore (2<sup>nd</sup> semester Spring)

2hr AT 399 Professional Development  
3hr AT 414 Automatic Transmissions  
3hr AT 314 Manual Transmissions and Drivelines  
3hr ECON 200 Principles of Microeconomics (E2)  
3hr ENGL 299 Intro to Research Writing (ENGL 301 pr) (A0)  
3hr EET 144 D.C. Circuit Analysis  
17hrs

**Note: Classes listed in parentheses with “pr” notate that the class is a prerequisite for the course left of the parentheses.**

#### Color Code:

Red=Automotive courses

Yellow highlight=Emphasis courses

Green=English and WL courses

### Junior (1<sup>st</sup> semester Fall)

3hr AT 415 Mobile Climate Systems  
3hr AT 418 Failure Analysis  
3hr ENGL 301 Technical/Professional Writing  
3hr Human Experience/Non-Verbal Creative Expression (D3)  
3hr Human Systems/No Companion Element (E0)  
15hrs

### Junior (2<sup>nd</sup> semester Spring)

3hr AT 613 Service Techniques Lab  
3hr AT 515 Engine Performance  
3hr Automotive Technical Elective  
3hr Human Systems/Diverse Perspectives (D1)  
3hr Human Systems/Scientific Inquiry (E4)  
15hrs

### Senior (1<sup>st</sup> semester Fall)

3hr AT 519 Mobile Fuels, Lubricants and Alternate Fuels  
3hr AT 620 Hybrid, Electric, and Fuel Cell Vehicles  
3hr Automotive Technical Elective  
3hr AT 635 Advanced Engine Performance  
12hrs

### Senior (2<sup>nd</sup> semester Spring)

1hr AT 699 Senior Seminar  
3hr AT 650 Dynamometer and Performance Testing  
3hr AT 580 Dealership Service Operations  
3hr Fine Arts course  
3hr Automotive Technical Elective  
2hr Automotive Technical Elective  
15hrs

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. This guide was prepared with the latest information, courses, graduation requirements, and curricula and are subject to change.

MINIMUM GENERAL REQUIREMENTS: The minimum requirements for graduation include 120 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 major and in residence coursework is required. Pitt Pathway courses and all degree requirements are provided in the online catalog. Refer to individual departments for specific requirements.