

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 – Automotive Mechanical Design

Freshman (1st semester Fall)

1 hr AT 100 Orientation to the Transportation Industry
 3 hrs AT 213 Engine Systems
 5 hrs MATH 150 Calculus (C0)
 3 hrs ENGL 101 English Composition (A0)
 2 hrs UGS 150 Gorilla Gateway (H0)
 14 hrs

Freshman (2nd semester Spring)

3 hrs AT 115 Mobile Electrical (AT 515 pr)
 3 hrs AT 116 Mobile Electrical lab (WL) (AT 515 pr)
 3 hrs COMM 207 Speech Communication (B0)
 3 hrs MECET 121 Engineering Graphics (EO)
 3 hrs PHYS 100 or 104 Physics or Eng Physics (F4)
 1 hr PHYS 130 Physics Lab (F4)
 16 hrs

Sophomore (1st semester Fall)

3 hrs AT 211 Steering Alignment & Suspension
 3 hrs MATH 143 Elementary Statistics (C0)
 3 hrs MECET 220 Statics
 3 hrs MECET 226 Computer Aided Design
 3 hrs PSCYH 155 General Psychology (WL) (G4)
 15 hrs

Sophomore (2nd semester Spring)

2 hrs AT 399 Professional Development in the Transportation Industry
 3 hrs AT 314 Manual Transmissions and Drivelines
 1 hr AT 410 Emerging Developments
 3 hrs AT 210 Brake Systems
 2 hrs MECET 420 Kinematics (spring only)
 3 hrs ENGL 299 Intro to Research Writing (A0)
 14 hrs

Junior (1st semester Fall)

3 hrs AT 414 Automatic Transmissions
 1 hr AT 410 Emerging Developments in the Transportation Industry
 3 hrs AT 415 Mobile Climate Systems
 3 hrs MECET 428 Thermodynamics
 3 hrs ENGL 301 Technical Writing
 3 hrs Course from E1
 16 hrs

Junior (2nd semester Spring)

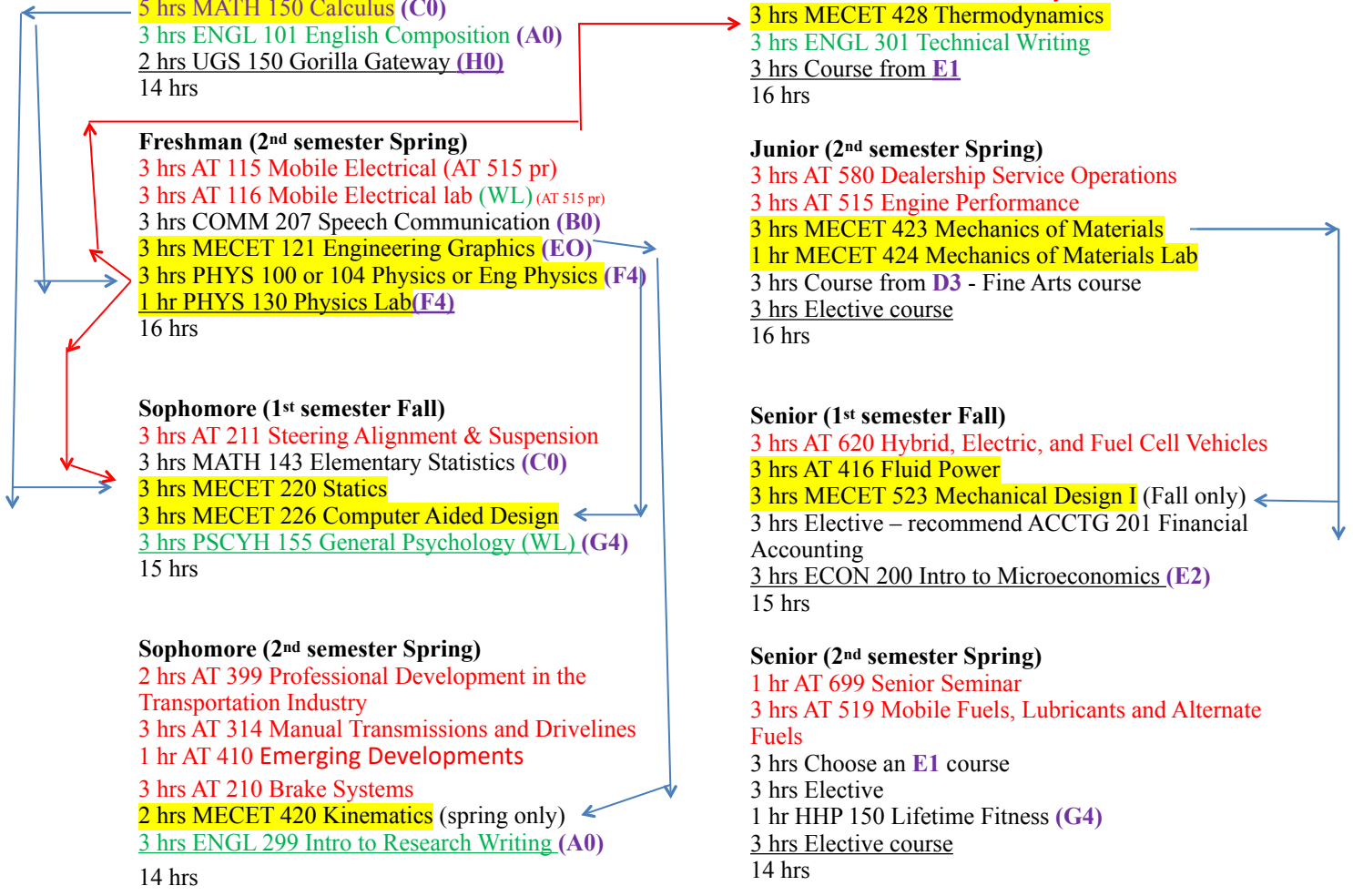
3 hrs AT 580 Dealership Service Operations
 3 hrs AT 515 Engine Performance
 3 hrs MECET 423 Mechanics of Materials
 1 hr MECET 424 Mechanics of Materials Lab
 3 hrs Course from D3 - Fine Arts course
 3 hrs Elective course
 16 hrs

Senior (1st semester Fall)

3 hrs AT 620 Hybrid, Electric, and Fuel Cell Vehicles
 3 hrs AT 416 Fluid Power
 3 hrs MECET 523 Mechanical Design I (Fall only)
 3 hrs Elective – recommend ACCTG 201 Financial Accounting
 3 hrs ECON 200 Intro to Microeconomics (E2)
 15 hrs

Senior (2nd semester Spring)

1 hr AT 699 Senior Seminar
 3 hrs AT 519 Mobile Fuels, Lubricants and Alternate Fuels
 3 hrs Choose an E1 course
 3 hrs Elective
 1 hr HHP 150 Lifetime Fitness (G4)
 3 hrs Elective course
 14 hrs



Note: Classes listed in parentheses with “pr” denote 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

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.

