

AUTOMOTIVE MANAGEMENT REQUIRED TOOL LIST

For AMGT transfer students who are not taking any automotive technical courses you will follow the 2+2 tool list. For all other AMGT Students you will combine the 2+2 and 0+4 tool lists.

2 + 2 Tool list:

Hardware - Software Apple laptop:

Minimum requirements used

- ✓ 1GB RAM
- ✓ 125GB hard drive
- ✓ Wireless Ethernet
- ✓ Apple OS X
- ✓ Office for Mac, latest version*
- ✓ iMovie

Hardware – Software Windows laptop

Minimum requirements for a used:

- 2GB RAM
- Wireless Ethernet
- Windows 7 (64bit OS)
- Microsoft Office current version*
- Intel Pentium Dual Core processor, 2 GHz
- Graphics Card that supports DirectX9 and Shader Model 2

Apple minimum recommendations:

- MacBook Pro
 - 8GB RAM
 - 500GB Hard-drive
 - Graphics card with 1GB RAM
 - Office for Mac, latest version*
 - iMovie

Windows laptop minimum recommendations:

- 8GB RAM
- 500GB hard-drive
- Graphics Card with 1GB RAM that supports DirectX9 and Shader Model 2 or newer
- Wireless Ethernet
- Windows7 Professional or Ultimate
- Microsoft Office current version*

**Current versions of Microsoft Windows and Office are available for current students through the Ferris Student Technology Services online store at discounted rates.*

Certain classes may require additional software:

Certain Auto Service classes use software that is only made for the Windows platform. If you wish to purchase an Apple product you may need to get additional software to allow you to run Windows on your Apple Laptop.

AMGT 460 requires Adobe Dreamweaver, latest version

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AMGT 0 + 4 requires these additional tools:

1/4" Drive Sockets

- Six-point standard (5/32-9/16)
- Six-point standard deep (3/16-9/16)
- Six-point metric (4 mm-14 mm)
- Six-point metric deep (4 mm-14 mm)

1/4" Drive Tools

- Ratchet
- 3" extension
- 6" extension
- Universal joint

3/8" Drive Sockets

- Six-point standard (1/4-7/8)
- Twelve-point standard (5/16-7/8)
- Six-point standard deep (3/8-3/4)
- Six-point metric (13 mm-22 mm)
- Twelve-point metric (13 mm-21mm)
- Six-point metric deep (9 mm-16 mm)

3/8" Drive Tools

- Ratchet
- 3" extension
- 6" extension
- Universal joint
- Six-point flexible 5/8" spark plug socket

1/2" Drive Sockets

- Six-point standard (7/16-1 1/4)
- Six-point metric (15 mm-32 mm)
- Six-point metric deep (13 mm-24 mm)

1/2" Drive Tools

- Ratchet
- Extension
- Universal joint

Torx

- Torx Screwdriver Set
- 7-piece Torx Socket Set, Female (E6-E16)
- 9-piece Torx Bit Set (T10-T50)

Wrenches

- Standard Combination (1/4-7/8)
- Metric Combination (6 mm-17 mm)
- 10" Adjustable
- Metric Flare Nut Wrench Set (9 mm-18mm)

Hex Keys

- Standard Short & Long Arm Set
- Metric Short & Long Arm Set

Thickness Gauges

- Standard
- Metric Feeler Gauge set

Screw Drivers

- (4) Slotted (including 1 pocket screw driver)
- (4) Phillips Posi-Drive Screwdriver Set (#1, #2, and #3)

Pliers

- 7" Diagonal
- 6 3/4" Slip-Joint
- 8" Long Nose
- 9-9 1/2" Tongue & Groove (Channel Lock Type)
- Wire Stripper/Crimper
- (2) Locking Pliers (6" or 7" Straight Jaw and 10" Curved Jaw)

Hammers

- 12 oz. plastic
- 8-16 oz. ball peen
- 24 oz. ball peen

Chisels

- 1/2" cold
- 5/8" cold

Punches

- 1/8" pin
- 3/16" pin
- 3/8" center

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Miscellaneous

- Pry Bar – 16” (Lady Slipper Type)
- 12v Test light
- Self-Powered Test Light
- Electrical test probe kit
- HEI Ignition Tester
- Scratch Awl
- Gasket Scraper
- 6” Stainless Ruler
- Small Flashlight
- Safety Glasses
- 4-Drawer Portable Chest (Top Box)

Optional Tools

The following tools are also used in labs, but can be checked out as needed from the Automotive Department Tool & Parts Crib.

- Fluke 87 Multimeter Combo Kit (or an equivalent)
- Hand Held Vacuum Pump
- ½” Torque Wrench (0-250 foot/lbs) - Dial **or** Beam Type
- ½” Torque Wrench ratcheting clicker type
- ¼” Torque Wrench (5-50 inch/lbs)
- Torque Angle Gauge
- Piston Ring Compressor (2 1/8” – 5”)