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AUTOMOTIVE SERVICES
 Required Book-Tool-Supply List
 2011-2012

- Please check with your instructor before purchasing any item on the list.
- Item costs are approximate and may change at any time. All items are subject to state tax.
- Fees and membership are collected upon initial registration and subsequent fee periods.

TYPE	ITEM	QUANTITY	UNIT COST	TOTAL COST
Fee	Lab Fee of \$130.25 to be paid <i>every fee period</i> .			
Fee	Facility and Equipment Usage fee of \$12.50 to be paid <i>every fee period</i>			
Fee	Student Parking Tag	1	\$5.35	\$5.35
Fee	Student ID	1	5.35	5.35
Fee	Graduation fee (to be applied to term of graduation)	1	34.00	34.00

Course AER0014

Book	Automotive Technology: Principles, Diagnosis and Service, ISBN 9780131754775	1	\$112.15	\$112.15
Tool	Bottom Roll Cart Tool Box (Minimum 6 drawer with at least 10,000 Cu. Inch storage space-roller bearing slides)	1	587.89	587.89
Tool	Standard Wrench Set 12-PT (1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1")	1	143.18	143.18
Tool	Metric Wrench Set 12-PT (7mm, 8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 18mm, 19mm, 21mm)	1	164.57	164.57
Tool	1/2" Ratchet (standard length)	1	50.11	50.11
Tool	1/2" Extensions (1/2 x 2", 1/2 x 5", 1/2 x 10")	1	31.65	31.65
Tool	1/2" Drive Impact Universal (ball type)	1	19.30	19.30
Tool	3/8" Ratchet (standard length)	1	32.36	32.36
Tool	3/8" Standard Socket Set - Shallow and Deep (1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16)	1	164.47	164.47
Tool	3/8" Metric Socket Set - Shallow and Deep 6-PT (8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 18mm, 19mm, 21mm)	1	164.36	164.36
Tool	3/8" Sparkplug Sockets (5/8" and 13/16" with Hex drive end)	1	22.22	22.22
Tool	3/8" Extensions (3/8" x 3", 3/8" x 6", 3/8" x 10")	1	27.56	27.56
Tool	1/2" Standard Impact Socket Set - Shallow and Deep 6-Pt (3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 11/16)	1	172.72	172.72
Tool	1/2" Metric Impact Socket Set - Shallow and Deep 6-PT (12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 24mm, 27mm)	1	206.78	206.78
Tool	1/4" Ratchet (standard length)	1	25.93	25.93
Tool	1/4" Drive Standard Sockets - shallow 6-PT (3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16)	1	36.77	36.77
Tool	1/4" Drive Metric Sockets - shallow 6-PT (5mm, 5.5mm, 7mm, 8mm, 10mm, 11mm, 12mm, 13mm, 14mm)	1	45.65	45.65
Tool	1/4" Drive Extensions (1/4 x 3", 1/4 x 6")	1	12.93	12.93

TYPE	ITEM	QUANTITY	UNIT COST	TOTAL COST
Tool	Gasket Scraper (1" or wider blade)	1	11.86	11.86
Tool	Ball Peen Hammer - 24 ounce	1	18.22	18.22
Tool	Standard Face Shield - Non-tinted	1	11.38	11.38
Supply	Button Down (School Approved) Uniform Shirt	1	24.00	24.00
Supply	Dark Blue Uniform Pants	1	14.00	14.00
Supply	No-Mar (Technician's) Belt	1	29.00	29.00
Supply	Leather Work Boots	1	50.00	50.00
Supply	Ear Plugs	1	8.32	8.32
Tool	Standard Hex Key Socket Set - 3/8" Drive (to include: 5/32, 1/4, 5/16, 7/32, and 3/8" bits)	1	55.33	55.33
Tool	Metric Hex Key Set - 3/8" Drive (to include: 4mm, 5mm, 6mm, 7mm, 8mm, and 10mm bits)	1	47.19	47.19
Tool	Screwdriver (1/8" x 4" slotted)	1	6.28	6.28
Tool	Screwdriver (3/16" x 4" slotted)	1	6.15	6.15
Tool	Screwdriver (5/16" x 6" slotted)	1	8.63	8.63
Tool	Screwdriver (3/8" x 12" slotted)	1	9.70	9.70
Tool	Screwdriver Phillips (#0 x 2 1/2")	1	4.79	4.79
Tool	Screwdriver Phillips (#1 x 3")	1	5.98	5.98
Tool	Screwdriver Phillips (#2 x 1 1/2")	1	6.70	6.70
Tool	Screwdriver Phillips (#3 x 6")	1	8.53	8.53
Tool	Screwdriver Phillips (#2 x 4")	1	5.12	5.12
Tool	Digital Multimeter - Volts, Amps, and Ohms (AC and DC Volts, Amps, Ohms, Frequency - Fluke 115 or equivalent)	1	133.35	133.35
Tool	Pry Bar with Handle (12")	1	13.23	13.23
Tool	Pry Bar with Handle (24")	1	23.46	23.46
Tool	Pry Bar (12" roll type - "Lady's Foot")	1	18.86	18.86
Tool	Air Blow Gun - Rubber Tipped (Milton S-153 or equivalent)	1	4.98	4.98
Tool	Air Tire Chuck	1	1.89	1.89
Tool	Oil Filter Wrench (standard size oil filter with swivel handle)	1	8.24	8.24
Tool	Oil Filter Wrench (small size oil filter with swivel handle)	1	8.24	8.24
Tool	12" Adjustable Wrench	1	23.38	23.38
Tool	10" Wire Brush	1	3.55	3.55
Tool	Fender Cover	2	18.66	37.32
Tool	Battery Terminal Brush	1	5.65	5.65
Tool	Drive Air Ratchet - 3/8"	1	76.20	76.20
Tool	1/2" Drive Impact Wrench	1	110.22	110.22
Tool	Torque Wrench - 1/2" Drive (with 20 ft. lbs minimum to 150 ft lbs. range - click type)	1	106.87	106.87
Tool	Voltage Tester (test light) (10 Meg - high impedance style)	1	16.79	16.79
Tool	Serpentine Belt Adjusting Tool (ratcheting type)	1	54.30	54.30
Tool	Electric Wire Stripping and Crimping Tool	1	16.33	16.33
Tool	Punches and Chisels (Pin Punches: 1/16, 3/32, 1/8; Center Punch: 3/8; Line up Tools: 5/32, 3/16; Cold Chisels: 1/2, 3/4)	1	43.30	43.30
Tool	Safety Glasses (non-tinted)	1	69.63	69.63
Tool	Mini Mag Light	1	6.49	6.49
Tool	Telescoping Inspection Mirror	1	11.69	11.69
Tool	Telescoping Pick-Up Tool	1	10.27	10.27
Tool	Feeler Gauge (.002" - .040")	1	8.57	8.57
Tool	Mini Tubing Cutter (1/8 - 5/8")	1	3.46	3.46
Tool	Internal (Recessed) Torx Sockets (E6, E7, E8, E10, E12, E14, E16)	1	9.70	9.70
Tool	Pliers, Slip Joint (7" - 9") Set	1	36.50	36.50
			33.18.	33.18

TYPE	ITEM	QUANTITY	UNIT COST	TOTAL COST
Tool	Pliers, Tongue and Groove - Straight Jaw (10" to 12") Set	1	33.18	33.18
Tool	Pliers, Long Nose (7" to 9") Set	1	33.18	33.18
Tool	Pliers, Diagonal Cutting (7" to 9") Set	1	33.18	33.18
Tool	Locking (Vice Grip) Pliers - Curved Jaw (10")	1	10.84	10.84
Tool	Locking (Vice Grip) Pliers - Long Nose (4")	1	10.55	10.55
Tool	Ball Pein Hammer - 24 oz.	1	10.79	10.79
Tool	Torx Socket - 3/8" Drive T-55 Tamperproof Socket	1	9.62	9.62
Tool	Tire Pressure Gauge (0 to 50 lbs - 1 lb increments)	1	4.98	4.98
Tool	4 in 1 Valve Stem Tool (Milton S-445 or Equivalent)	1	1.66	1.66
Tool	Tire Tread Depth Gauge (Milton S-448 or Equivalent)	1	3.78	3.78
Tool	Quick Connect Fitting - 1/4" MPT Aero "B" or Milton 777 Equivalent)	4	1.85	7.40
Tool	1/2" Impact Flip Socket 17 mm/19 mm - Set	1	35.22	35.22
Tool	1/2" Dr. Impact Flip Socket 3/4"/13"/16" Std Set	1	35.22	35.22
Tool	1/4" Ratcheting Magnetic Screwdriver Set (Phillip Bits, Slotted Bits, Torx Bits T-10, T-15, T-20, T-25, T-27, T-30 Hex Bits 3/16, 1/4, 4mm, 5mm, 6mm)	1	43.49	43.49
Tool	Feeler Gauge (.006 mm - .070 mm)	1	5.99	5.99
Tool	Fluorescent Work Light (without outlet)	1	54.85	54.85
Tool	Utility Knife	1	5.93	5.93
Tool	Dead Blow Hammer (48 oz.)	1	\$51.73	\$51.73
Tool	Flex Handle 1/2	1	34.15	34.15
Tool	Flex Handle - 3/8 (drive)	1	20.41	20.41
Tool	Flex Handle - 1/4	1	14.62	14.62
Tool	Feeler Gauge (offset style) (.008 - .026)	1	5.90	5.90
Tool	Plastic Tip Hammer - 12 oz.	1	14.39	14.39
Courses AER0257- AER0274 - AER0453				
Tool	3/8" Dr Torque Wrench (50 in. lbs to 250 in lbs Range - Click Type)	1	\$99.18	\$99.18
Course AER0418				
Tool	3 Piece Flare Nut Wrench Set - Standard (1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4)	1	\$88.33	\$88.33
Tool	Flare Nut Wrench Set - Metric (8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 18mm, 19mm)	1	57.94	57.94
Tool	Disc Brake Caliper Service Kit (remove, adjust and reinstall caliper pistons for 1, 2, 4 piston and rear calipers)	1	73.11	73.11
Tool	Brake Service Kit (brake spring pliers, pressure retaining spring tools 5/8" to 7/8", adjuster spoon, 1/4", 5/16", 3/8", 7/16", 7mm and 10mm bleeder wrenches)	1	45.40	45.40
Tool	Vacuum Pump Tester (mity vac or equivalent)	1	55.21	55.21
Tool	Torx Sockets (3/8" drive T-40, T-45, T-50, T-55, and T-60)	1	58.44	58.44
Tool	Brake Lining Gauge	1	8.72	8.72
Tool	Disc Brake Lining Wear Gauge	1	11.15	11.15
Course AER0360				
Book	Diagnosis and Troubleshooting of Automotive Electronic and Computer Systems (ISBN - 9780135066966)	1	\$103.74	\$103.74
Course AER0172				
Tool	Duo Core Remover - A/C R12 and R134	1	\$6.65	\$6.65
Tool	A/C and Fuel Line Disconnect Tool Set (5/16", 3/8", 1/2", 5/8", 3/4", and 7/8")	1	7.19	7.19
Tool	Infrared Pyrometer (-25 to 1000 degrees Fahrenheit)	1	94.16	94.16

TYPE	ITEM	QUANTITY	UNIT COST	TOTAL COST
Course AER0503				
Book	Advanced Engine Performance Diagnosis - Third Edition (ISBN 9780135036884)	1	\$103.74	\$103.74
Tool	Noid Light Set - Fuel Injection Systems (ability to test Bosch, Ford, and GM systems)	1	37.55	37.55
Tool	Sparkplug Gapping Tool (wire type - .025" to .080")	1	4.66	4.66
Tool	Ignition Plug Tester	1	6.29	6.29
TOTAL COST (books, tools, and supplies)				\$4,589.95

Tools should be professional quality for Automotive Service usage. Recommended brands are Snap-On, Matco, Mac, NAPA, Professional line, or Craftsman. The prices on this sheet are Craftsman, but the other manufactures carry similar sets.