

IDAHO STATE UNIVERSITY COLLEGE OF TECHNOLOGY

PROGRAM TITLE: DIESEL/ON-SITE POWER GENERATION TECHNOLOGY

BOOK AND TOOL LIST

Textbooks may be purchased at the University Bookstore located at the Pond Student Union - Building #14. Textbooks may also be purchased or reserved on-line through www.efollett.com or the bookstore's website at www.isu.edu/bookstor. Payments may be made with cash, check, VISA, MasterCard, American Express, or Discover. A shipping charge will be added for mail orders. See the bookstore's website for more information on purchasing or reserving books or for refund policy information. **Save Your Receipts!**

Approximate total book and tool costs for this program's options are listed below. Additional book costs will vary depending on the courses taken to fulfill general education requirements for the AAS degree. For a breakdown of books by individual class requirements, you must check your course curriculum.

NOTE: PRICES ARE SUBJECT TO CHANGE AT ANYTIME WITHOUT PRIOR NOTIFICATION

Listed below are some tool distributor names and telephone numbers:

TOOL LIQUIDATOR	Eric Huff 1800 Garrett Way Pocatello ID 83201	208-232-8302
SNAP-ON TOOLS	Bill Peterson, Industrial Representative	801-972-2060 Home 208-376-3562
SEARS TOOLS	4145 Yellowstone Avenue Chubbuck ID 83202	800-776-8666 Ext 782 208-238-3409
KIRKHAM AUTO	715 N Main Pocatello, ID 83204	208- 233-2721
CORNWELL DEALER	Dondi Blacker, Authorized Dealer www.cornwelltools.com	208-852-6006
MATCO TOOLS	Phil Barber, Distributor 1100 W Quinn Apt 8 Pocatello, ID 83202	Home: 208-221-0990 Office: 208-238-0243 www.matco.com

**The following tools are necessary for all stages of the Program.
They must be purchased before the first day of class
These tools should be available in all courses at all times.**

FIRST SESSION TOOLS

QUANTITY	DESCRIPTION
1 ea	1/4" drive - socket, 6 point hex, regular length sizes: 3/16" 7/32" 1/4" 9/32" 5/16" 11/32" 3/8" 7/16" 1/2"
1	1/4" drive - Ratchet, reversible
1	1/4" drive - Extension, 3 1/2"
1	1/4" drive - socket set, 5, 6, 7, 8, 9, 10, 11, 12, 13 mm
1 ea	3/8" drive - socket, 6 point hex regular length sizes: 5/16" 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"
1	3/8" drive - 7" Ratchet, reversible
1 ea	3/8" drive - Extension, 1 3/4", 3 1/2"
1 ea	3/8" drive - socket, 6 point, deep length sizes: 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"
1 ea	3/8" drive - socket, 12 point, flex sizes: 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"
1 ea	3/8" drive - socket, 6 point, regular length hex sizes: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
1 ea	Spark Plug Socket, 6 point sizes: 5/8" and 13/16"
1 ea	1/2" drive - socket, 12 point, Double Hex, Regular Length sizes: 7/16" 1/2" 9/16" 5/8" 11/16" 3/4" 13/16" 7/8" 15/16" 1"
1 ea	1/2" drive - socket, 12 point sizes: 1 1/16", 1 1/8", 1 1/4"
1	1/2" drive - Adapter, 1/2" F, 3/8" M
1	1/2" drive - Ratchet, reversible 10 1/4"
1 ea	1/2" drive - Extension, 2 1/2", 5", and 10" long
1	1/2" drive - Flex Handle, 18 1/2" long
1 ea	1/2" drive - socket, 6 point, regular length sizes: 13, 14, 15, 16, 17, 18, 19, 21 mm
1	Battery post cleaner
1	Brush, wire
1	Chest, Six drawer, removable top, 26"W x 12"D x 14 1/2"H 1 full size removable tote tray, 3-4" width drawers 2" D 2 full-width drawers 2" D, 1 full-width drawer 4" D
1	Chisel, Cold, 5/16" cut, 1/4" hex, 5 1/8" long
1	Chisel, Cold, 3/4" cut, 19/32" hex, 7" long
1	Chisel, Cold, 5/8" cut, 23/32" hex, 8" long
2	Drill bit, 5/16"
1	File, mil bastard with handle, 12"
1	File, round bastard with handle, 14"

1	File, tri-corner with handle, 10"
1	Flashlight, heavy duty 2-D cell
1	Gauge, Feeler 26 pieces: .0015 - .040
1	Hacksaw
1	Hammer, ball pein, 1 LB, polished only, 14 1/2" long
1	Hammer, ball pein, 40 oz
1	Hammer, computain, 3 LB
1	Hook, utility packing (Mac Tool #sw10 or 50)
1	Magnet, Telescoping, 16 3/4" long
1	Multimeter, digital (Check with Instructor before purchasing.)
1	Pliers, ignition 4 9/16"
1	Pliers, lock ring, 8 1/4"
1	Pliers, brake spring, 12"
1	Pliers, diagonal cutting, 8"
1 ea	Pliers, external snap ring, 7" and 9", hole type
1 ea	Pliers, internal snap ring, 7" and 9", hole type
1	Pliers, lever wrench (Vise Grips), 8"
1	Pliers, needle nose, side cutting, 6"
1	Pliers, power track, 10"
1	Pliers, slip joint, 8"
1	Pliers, snap ring, 9", flat end type
1	Pliers, Electrical stripper/cutter/crimper, 8"
1	Punch, Pin, 1/8" dia, 5/32", 3/16", 1/4" end diameter
1	Punch Set, tapered start, 5/8" x 12" L, 3/4" x 18" L
1	Punch, 5/8" Center
1	Punch, Drift, 1/2" straight, 12" L
1	Roll head bar 19/32" hex, 16" long, Snap-On #1650, Mac #LF16, or equivalent
1	Ruler, flex steel, 1/2" x 6", #4 graduations
1	Scraper, carbon 12", HD plastic handle
1 set	Screw extractors (Easy-outs)
1 ea	Screwdriver, Phillips #1, 6 1/2" and #2, 8 1/4"
1	Screwdriver, standard tip, round shank, 13"
1 ea	Screwdriver, standard tip, square shank, 6 1/2" and 10 1/2"

1	Solder gun
1	Square, combination 12
1	Tape measure, 1/2" x 12'
1	Test light
1	Wrench, flare, 3/8" - 7/16"
1	Wrench, flare, 1/2" - 9/16"
1	Wrench, flare, 5/8" - 11/16"
1	Wrench, flare, 3/4" - 13/16"
1 ea	Wrench, combination sizes: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, and 1, 1 1/16, 1 1/8, 1 1/4 inches
1	Wrench set, 9 piece hex, metric, 2 mm through 12 mm
1	Wrench set, 11 piece hex, 5/64 through 3/8
1	Wrench, 14", heavy duty, pipe
1	Wrench, 25# - 250# Torque, torque left and right
1 ea	Wrench, combination sizes: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm

APPROXIMATE TOTAL FOR TOOL KIT	
SEARS	\$1,850.00
MATCO or MAC TOOLS	\$2,400.00
SNAP-ON	\$2,600.00

COVERALL PROGRAM (REQUIRED)

1. The coverall program is on a rental basis.
2. The laundry will supply each student with 3 pairs of coveralls.
3. There is a \$14.00 rental and laundry fee for the first session and a \$14.00 fee for each of the remaining seven sessions in which a student is enrolled in the Diesel program.
4. The Rental Fee is due at registration/fee payment time.

APPROXIMATE TOTAL COVERALLS	\$112.00
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FIRST & SECOND SESSIONS**I. BOOKS LISTED BY COURSE**

DESCRIPTION	APPROXIMATE PRICE	
DESL 101 INTRODUCTION TO MECHANICS		
HEAVY DUTY TRUCK SYSTEMS	1401870645	156.00
DESL 107 FUNDAMENTALS OF ELECTRICITY		
MEDIUM/HEAVY DUTY TRUCK ELECT (set: class manual/shop manual)	0827370067	140.00
Class fee (DESL 107)		13.25
APPROXIMATE TOTAL BOOKS & FEES- FIRST & SECOND SESSION		\$309.25

THIRD SESSION**I. BOOKS LISTED BY COURSE**

DESCRIPTION	APPROXIMATE PRICE	
DESL 115 DIESEL HYDRALAULICS		
HYDRAULICS: FOS	0866913355	46.00
Class fee		13.25
DESL 116 POWER SHIFT TRANSMISSIONS		
POWER TRAINS: FOS	0866913256	61.00
TGE 151 TECHNICAL WRITING I - Required for Certificate only		
COURSE PACK FOR TGE 151		5.00
POCKET GUIDE TO TECHNICAL COMMUNICATIONS	0131721050	34.00
APPROXIMATE TOTAL BOOKS & FEES-THIRD SESSION		\$120.25 - 159.25

FOURTH SESSION**I. BOOKS LISTED BY COURSE**

DESCRIPTION	APPROXIMATE PRICE	
DESL 113 DIESEL FUEL SYSTEMS		
DIESEL ENGINE & FUEL SYSTEM REPAIR	0130929815	136.00
Class fee		13.25
APPROXIMATE TOTAL BOOKS & FEES-FOURTH SESSION		\$149.25

FIFTH SESSION**I. BOOKS LISTED BY COURSE**

DESCRIPTION	APPROXIMATE PRICE
DESL 125 HEAVY DUTY POWER TRAINS (Previously purchased for DESL 116)	
TGE 152 TECHNICAL WRITING II (Previously purchased for TGE 151)	
APPROXIMATE TOTAL BOOKS & FEES-FIFTH SESSION	.00

SIXTH SESSION**I. BOOKS LISTED BY COURSE**

DESCRIPTION	APPROXIMATE PRICE
DESL 182 GASOLINE ENGINES	
ENGINES: FOS	0866912846 70.00
Class fee	5.75
DESL 184 DIESEL ENGINES	
Class fee	5.75
TGE 158 EMPLOYMENT STRATEGIES (Refer to Course Section Number)	
APPROXIMATE TOTAL FOR BOOKS & FEES-SIXTH SESSION	\$81.50

SEVENTH SESSION**I. BOOKS LISTED BY COURSE**

DESCRIPTION	APPROXIMATE PRICE
DESL 231 LIVE WORK I	
Class Fee	\$13.25
APPROXIMATE TOTAL FOR BOOKS & FEES-SEVENTH SESSION	\$13.25

EIGHTH & NINTH SESSION**I. BOOKS LISTED BY COURSE**

DESCRIPTION	APPROXIMATE PRICE
DESL 241 ON-SITE POWER GENERATION I	
Class fee	5.75
DESL 243 ON-SITE POWER GENERATION II	
Class fee	5.75
APPROXIMATE TOTAL BOOKS & FEES-EIGHTH & NINTH SESSION	\$11.50

SUPPLIES & OTHER EXPENSES

QUANTITY	DESCRIPTION	APPROXIMATE PRICE
1 ea	Binder, 3-ring, Loose-leaf	3.00
1 ea	Canvas, white 4' x 4'	6.00
1 pkg	Dividers, Loose-leaf	1.00
1 pr	Glasses, Safety or shield	6.00
1 pkg	Paper, Loose-leaf	2.00
6 ea	Pencils, #3	5.00
1 pkg	Pencils, colored	2.00
2 ea	Pens, ball point	2.00
Graduation Application fee for first Certificate/Degree		20.00
Optional fee for any additional Certificate/Degree		(10.00)
APPROXIMATE TOTAL SUPPLIES & OTHER EXPENSES		\$47.00

APPROXIMATE TOTAL BOOKS, SUPPLIES & TOOLS - Advanced Technical Cert.	\$2,733.00 - \$3,483.00
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APPROXIMATE TOTAL BOOKS, SUPPLIES & TOOLS - AAS Degree	\$2,694.00 - \$3,444.00
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<p>ANTICIPATE ADDITIONAL EXPENSES ASSOCIATED WITH THIS PROGRAM: TEXTBOOKS ASSOCIATED WITH ACADEMIC COURSES, TRANSPORTATION, PARKING, CHILD CARE, HOUSING. YOU MUST CHECK YOUR CLASS SCHEDULE TO DETERMINE TEXTBOOKS REQUIRED BY INSTRUCTOR.</p>
