

Book & Tool List

DIESEL TECHNOLOGY

Associate of Applied Science: Diesel Technology

Book List for AAS – Diesel Technology

Course	Course Title	Book Title	ISBN	Cost
DESL 1101	Safety and Introduction to Shop Practices	Fund. Of Medium/Heavy Duty Commercial Vehicle Systems, 2 nd 20 Ed.	9781284150933	71.00
DESL 1115	Diesel Hydraulics I	Hydraulic Systems for Mobile Equipment, 2 nd 23 Ed.	9781637761267	120.00
DESL 1125	Heavy Duty Power Trains	2-YR Access: Heavy Duty Vehicles Card, 2 nd Ed.	9781284275018	364.23
DESL 1184	Diesel Engine Technology	Fundamentals of Medium/Heavy Duty Diesel Engines, 2 nd 22 Ed.	9781284150919	106.46
COMM 1101	Fundamentals of Oral Communication	Fund. Of Oral Communication Access Code	9781644850817	78.57
ENGL 1101	Writing and Rhetoric I	Perusall Access – Everyone’s an Author W/R, 4 th Ed.	2818440009310	65.06
MATH 1153 (Obj. 3)	Statistical Reasoning	MyLab Statistics with Pearson eText Access Code for Intro Stats, 6 th 22 Ed.	8220144761755	131.24
PSYC 1101 (Obj. 6 Option)	Introduction to Psychology	Psychology – Achieve Read and Practice (1 Term), 14 th 24 Ed.	9781319489892	64.29
PHYS 1101 (GE Option)	Elements of Physics	Perusall Access – College Physics 1E, 16 Ed.	9781947172012	14.27
TOTAL				\$1,015.12

Course Fees for AAS – Diesel Technology

Course	Course Title	Fee
DESL 1101	Safety and Introduction to Shop Practices	15.00
DESL 1102	Introduction to Electrical	15.00
DESL 1103	Electrical Systems	15.00
DESL 1107	Basic Diesel Electrical Systems	10.00
DESL 1109	Cab Climate Control	15.00

Course	Course Title	Fee
DESL 1113	Diesel Engine Fuel Systems	15.00
DESL 1115	Diesel Hydraulics I	15.00
DESL 1125	Heavy Duty Power Trains	45.00
DESL 1184	Diesel Engine Technology	15.00
DESL 1186	Diesel Engine Electrical Systems	15.00
DESL 1190	Diesel Engine Emission Systems	15.00
DESL 2215	Advanced Hydraulics	15.00
DESL 2217	Advanced Engine Electronics Systems	15.00
DESL 2231	Live Work Capstone Class	10.00
PHYS 1101	Elements of Physics	30.00
TOTAL		\$260.00

Other Fees for AAS – Diesel Technology

Description	Fee
COVERALL PROGRAM (REQUIRED)	
The student coverall program is on a rental basis. The laundry will supply each student with 3 pair of coveralls.	112.00
TOTAL	\$112.00

Tools/Supplies for AAS – Diesel Technology

Quantity	Description	Cost
1	3-ring Loose leaf binder	3.00
1	Pkg loose leaf paper	2.00
1	Pkg colored pencils	2.00
1	Pkg loose leaf dividers	1.00
1 pair	Safety glasses with shield	6.00
6	#3 Pencils	5.00
2	Ball point pens	2.00
1	4' x 4' White canvas	20.00
	Diesel Tool Kit (purchased from various vendors) Tools in kit listed below:	3040.00
1	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 socket: 5, 6, 7, 8, 9, 10, 11, 12, 13mm	
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, 13mm	
1	3/8" drive – socket, 6 point regular length sizes: 5/16" 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"	
1	3/8" drive- 7 minimum ratchet, reversible	
1	3/8" drive – Extension, 1 3/4", 3 1/2", 5"	

Quantity	Description	Cost
1	3/8" drive – socket, 6 point deep length sizes: 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"	
1	3/8" drive – socket, 12 point, impact universal joint sizes: 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"	
1	3/8" drive – socket, 6 point regular length sizes: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm	
1	1/2" drive – socket, 12 point, regular length sizes: 7/16" 1/2" 9/16" 5/8" 11/16" 3/4" 13/16" 7/8" 15/16" 1" 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" minimum	
1	1/2" drive- Extension, 2 1/2", 5", and 10" long	
1	1/2" drive – Flex handle, 18 1/2" long minimum	
1	1/2" drive – socket, 6 point, regular length sizes: 13, 14, 15, 16, 17, 18, 19, 21, 22, 23 mm	
1	Battery post cleaner	
1	Brush, wire	
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	
1	Drill index	
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 – 0.25	
1	Hacksaw	
1	Hammer, ball pein, 1 lb, polished only, 14 1/2" long	
1	Hammer, ball pein, 40 oz	
1	Hammer, deadblow, plastic, or rubber 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, lock ring, 8 1/4"	
1	Pliers, diagonal cutting, 8"	
1	Pliers, external snap ring, 7" and 9", hole type	
1	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, (channel locks) 10"	
1	Pliers, slip joint, 8"	
1	Pliers, snap ring, 9", flat end type	
1	Pliers, electrical stripper/cutter/crimper, 8"	

Quantity	Description	Cost
1	Punch, pin, 1/8" dia, 5/32", 3/16", 1/4", 5/16", 3/8" end diameter	
1	Punch set, tapered start, 5/8" x 12" L, 3/4"	
1	Punch, 5/8" Center	
1	Punch, brass 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	Screw extractors (easy-outs)	
1	Screwdriver, phillips #1, 6 1/2" and #2, 8 1/4"	
1	Screwdriver, standard tip, round shank, 13"	
1	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", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"	
1	Wrench, combination sizes, 1/4, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 inches	
1	Wrench, 14", heavy duty, pipe	
1	Wrench, 25# - 250# Torque, torque left and right	
1	Wrench, combination sizes: 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23mm	
1	Wrench, combination sizes: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm	
1	Adjustable wrench (crescent) 8", 12"	
1	SAE Allen wrench set: 1/16 to 3/8	
1	Metric Allen set: 1.5mm to 10mm	
1	Torx sockets T10 to T55	
1	1/2" dr. flex handle, 18 1/2"	
1	4 piece mini pick set	
1	1/2" dr. 13mm socket, 6 point, regular length	
1	Tool 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	
1	2 full-width drawers, 2"D, 1 full-width drawer 4"D	
TOTAL		\$3081.00

Summary

Tuition	\$17,828.00
Books	\$1,015.12
Fees	\$260.00
Tools/Supplies	\$3,081.00
Program Total	\$22,184.12

**Costs listed are estimations and should not be considered a guarantee.*