



Manitowoc LIFT Program

Information Guide

http://www.osuit.edu/academics/diesel_and_heavy/manitowoc/

MANITOWOC DEALER LOCATOR

<http://www.manitowoccranegroup.com/DealerLocator/locator.asp>

Sponsored By

**Manitowoc Cranes
Grove, GMK, Manitowoc, and National
Crane Dealers**



**INSTITUTE OF
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**Oklahoma State University Institute of Technology
Manitowoc LIFT Program**

http://www.osuit.edu/academics/diesel_and_heavy/manitowoc/

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Manitowoc LIFT Program

PROGRAM OBJECTIVE

The Manitowoc LIFT (Learning Institute Fleet Technicians) Program is a cooperative two-year college level Student Technician education program which leads to an Associate in Applied Science degree with a major in Manitowoc Service Technology. The Heavy Equipment and Vehicle Institute at Oklahoma State University Institute of Technology, working in close relationship with Manitowoc Cranes, administer the program activities. The Manitowoc LIFT Program is exclusively by and for Manitowoc employees and Manitowoc Dealers.

PROGRAM PURPOSE

The purpose of this program is to upgrade the technical competency and professional level of incoming Manitowoc Cranes service technicians. It will train students to analytically diagnose, service and maintain Manitowoc Cranes products using recommended procedures, special tools, and service information. It will provide course content that will enable successful graduates to advance in position after additional experience, and to understand new systems and components as they are introduced.

PROGRAM STRUCTURE

The two-year, six semester program incorporates approximately one-half of the time designated for technical / academic education at Oklahoma State University Institute of Technology. The remaining time is allocated for on-the-job experience at sponsoring Manitowoc Dealers or a sponsoring Manitowoc Cranes facility. Each block of technical education and general education course work is followed by an immediate Dealer/OEM work experience time period that reinforces the technical education. These time periods are approximately 7 ½ weeks in length each. It is essential for the success of the program that the students' education at Oklahoma State University Institute of Technology and Manitowoc Dealer/OEM work experiences be closely aligned for maximum student learning and retention.

Since considerable time is spent at the Dealer/OEM, it is a requirement of the program that students be sponsored by a Manitowoc Dealer or Manitowoc Cranes prior to enrollment. The primary responsibility for the Dealer/OEM is to provide training-related employment for the students during their learning / work experience internship.

All tuition, fees, textbooks, travel expenses and housing costs are the responsibility of the student. In addition to these costs, the students are required to purchase a prescribed tool set if they do not already have one. The Dealer/OEM may make other expense sharing agreements with students, at the discretion of the Dealer/OEM.

PROGRAM CURRICULUM

Technical training on Manitowoc Cranes equipment includes the latest developments in: Engines; Hydraulics; Power Trains; Electrical and Electronic Systems; Test Procedures and Diagnostic Tools.

In addition to the technical curriculum, courses will be offered in areas such as Math, Composition/Technical Writing, Psychology, U.S. History, U.S. Government, Business and Ethics to provide students with the background necessary for effective communication of ideas and the development on interpersonal skills.

PURPOSE OF THE INTERNSHIP

The internship allows students to apply, in a real world setting, what they have learned during the previous classroom/lab sessions. In addition, students become familiar with the dealer environment, its organizational structure, and the competencies that are expected of a professional service technician.

ADMISSIONS CHECKLIST

Regular Admission – applies to students who have never attended college. This also includes students who earned college credit through Cooperative Alliance or Concurrent Enrollment while in high school. GED, Home-Schooled, and students under 21 years of age who never attended college fall in this category.

- Complete and submit an Oklahoma State University Institute of Technology Application for Admission http://www.osuit.edu/academics/forms/admissions_packet.pdf
- Obtain a Personal Identification Number (PIN) to sign online at www.pin.ed.gov. (If you are a dependent student, a parent will need a PIN as well) Complete the Free Application for Federal Student Aid (FAFSA) available at www.fafsa.ed.gov. **Our school code is 003172.** Once our office receives your information, we will notify you if additional information is needed and/or send your award letter.
- Complete and submit Scholarship Applications before March 1

<http://www.osuit.edu/admissions/scholarships>
- Submit official high school transcript/GED
- Submit ACT or SAT scores.
- COMPASS testing if math, reading, writing or science scores on the ACT are below a 19. Compass testing is a computer generated assessment administered through the Assessment Center at Oklahoma State University Institute of Technology 918-293-5248: http://www.osuit.edu/academics/assessment_center.php

Compass sample questions at: <http://www.act.org/compass/sample/>

Additional Compass Skills Reviews at: http://www.osuit.edu/academics/assessment_center.php
- Remove preparatory class needs prior to the start of the fall semester.
- Complete the Immunization Record Form or the Certificate of Exemption
http://www.osuit.edu/campus_community/campus_health/
- Complete room and board contract – Single and Nontraditional Students Room and Board Contract for single students, Family Housing University apartments Contract if you plan to have your family with you at OSUIT.
http://www.osuit.edu/campus_community/residential_life/prospective_residents.php
Students making application for campus housing are encouraged to apply early. To reserve space in campus housing students must make a deposit of \$150 (\$500 for family apartments).
- Pay \$50.00 enrollment Deposit at Bursars Office (918) 293-5226
- Complete enrollment through the HEVi Department (918) 293-4710 or (918) 293-4724

Transfer Student -Student with 24 or more college credits

Documents required:

- Official college transcript(s) from every college attended
- COMPASS testing (compass test may be waived with applicable transfer classes)
- Immunization Records/Waiver
- Complete room and board contract, pay deposit.
- Pay \$50.00 enrollment deposit

Student with less than 24 college credits:

- Official college transcript(s) from every college attended
- Official high school transcript/GED
- ACT scores
- COMPASS testing (may be waived with applicable transfer classes OR if ACT scores in math,

reading, writing and science are 19 or above)
 Immunization Records/Waiver
 Complete room and board contract , pay deposit.
 Pay \$50.00 enrollment deposit

Important Dates

January, 2012

- 2012-2013 Financial Aid Applications Are Available
- Oklahoma State University Institute of Technology Scholarship Applications Available
- Oklahoma State University Institute of Technology Admission Applications Available

January 31, 2012

- Families Receive W-2 Forms And Begin To Prepare Tax Returns So Financial Aid Applications Can Be Completed.

February 1, 2012

- Students Begin Submitting Oklahoma State University Institute of Technology Admission Applications
- Begin Completing Free Application For Federal Student Aid (FAFSA)
- Students Should Be Making Plans To Take The ACT or SAT Test

May 1, 2012

- Enrollment Begins For Fall 2012 Term. Enrollment Will Continue Through September 4

September 4, 2012

- Move-in Day for Freshman Manitowoc LIFT Students

September 5, 2012

- First Day of Classes for Freshman Manitowoc LIFT Students

December 14, 2012

- Last Day of on Campus Classes for Freshman Manitowoc LIFT Students

For More Information please call:

Roy Achemire	(918) 293-4724
Heavy Equipment & Vehicle Institute	(918) 293-4710
Student Financial Services	(918) 293-5290
Admissions Office	(918) 293-4680

STUDENT QUALIFICATIONS

Prospective students must be:

1. 18 years of age (or older) by the time of the first internship.
2. High School Graduate, or GED
3. Able to meet Oklahoma State University Institute of Technology and Manitowoc admission and academic requirements.
4. Sponsored by Manitowoc Cranes or a Manitowoc Cranes Dealer.
5. Possess a valid driver's license and maintain an employable driving record.

6. Willing to take a drug test if requested by sponsor.
(NOTE: for many dealers this is a requirement for employment)
7. Sincere about becoming the best service technician he/she can be.

Tobacco use in University Buildings and Grounds

It is the intent of Oklahoma State University to promote the health, well-being and safety of all students, faculty, staff and visitors. As such, effective July 1, 2010, Oklahoma State University Institute of Technology is designated as a tobacco-free environment. Smoking and the use of all tobacco products are prohibited.

Residential Life will designate a limited number of facilities that will be exempt from this policy. Residential Life officials charged with oversight of the exempt areas of campus where tobacco use is permitted must adopt and post internal policies.

Tobacco use is prohibited in vehicles on grounds owned or under the control of Oklahoma State University.

Students will have access to cessation assistance.

RESPONSIBILITIES OF PARTICIPANTS

Oklahoma State University Institute of Technology

1. Provide faculty dedicated solely to the Manitowoc LIFT Program; classrooms, labs, etc.
2. Provide necessary time to initially train and update the faculty.
3. Provide advisement for Manitowoc LIFT Program students.
4. Maintain up-to-date tools and equipment, including basic tool list.
5. Grant the Associate of Applied Science degree to graduates.
6. Inform sponsoring dealers of student progress.
7. Assist dealers with student selection and recruitment.
8. Conduct student visitations during internships.
9. Establish a Manitowoc Cranes Committee for curriculum and content.
10. Schedule Advisory Committee meetings.
11. In general, oversee student recruitment and selection process.

Manitowoc Cranes

1. Encourage dealer cooperation and support.
2. Assist in locating and selecting Manitowoc faculty.
3. Provide Manitowoc training for faculty.
4. Furnish Oklahoma State University Institute of Technology with Manitowoc equipment and components.
5. Provide Oklahoma State University Institute of Technology with essential training materials, including audio visuals, student booklets, instructor guides, shop manuals, necessary mock-ups, simulators, software, etc.
6. Monitor curriculum to assure success.

Manitowoc Dealers

1. Agree to act as a sponsoring dealer.
2. Appoint an in-house dealer coordinator.
3. Recruit, interview and select prospective student(s)
4. Provide dealer coordinated internship experience in accordance with the program schedule.
5. Provide related work/learning experiences that supplement the student's most recent instruction.
6. Agree to pay the student during periods of internship.
7. Provide work uniforms for student consistent with dealer policy both while at school and at the dealer.
8. Provide any other benefits in a manner consistent with other student employees sponsored by the same dealer.
9. Assist in obtaining equipment and training aids.
10. Participate in the Advisory Committee meetings.
11. Perform student evaluation during internship.

Student

1. Obtain and maintain a Manitowoc Dealer Sponsor throughout the program.
2. Provide sponsoring Manitowoc Dealer with responsible and productive work effort.
3. Participate in all learning activities at scheduled times.
4. Maintain academic standards and adhere to academic policies (minimum 2.0 GPA) according to Oklahoma State University Institute of Technology policy.
5. Maintain dealer attendance standards.
6. Be responsible for program cost: tuition, fees, books, tools, housing, etc.
7. Wear work uniforms, safety glasses and recommended personal safety equipment during campus class/labs and dealer internship experiences.

STUDENT SELECTION PROCEDURES

1. Students who wish to become a member of the Manitowoc LIFT Program should make application early in the spring semester (January – March) if possible. This will allow time for processing financial aid packages, identification of preparatory class needs, sponsorship acquisition, etc. The application process includes the following:
 - A) Complete Oklahoma State University Institute of Technology Application for Admission.
 - B) Comply with Oklahoma State University Institute of Technology Admission Policies.
 - C) Complete the student assessment process. (May include both the Compass and Career Profile testing).
 - D) Complete preparatory class needs prior to the start of the program.
 - F) Have established housing if the student is out-of-state.
2. Students who successfully complete the Admission process are eligible to interview with the Manitowoc Dealer of their choice. Check with the Manitowoc faculty for a list of Manitowoc Dealers that have agreed to participate in the program. The interview should take place at the dealership and participant goals should be discussed. ALL STUDENTS MUST HAVE A DEALER SPONSOR BEFORE ENROLLMENT CAN BE COMPLETED.
3. Should the interview prove successful, the dealer will complete the Manitowoc Dealer Sponsorship Application and submit it to the HEVi Department at Oklahoma State University Institute of Technology.

FINANCIAL ASSISTANCE

Students deciding to be part of the Manitowoc LIFT Program may have a need for financial assistance. Students involved in the program have the opportunity to earn while they learn during the dealer internship portion of the program. These earnings may be applied to program costs.

Additional financial aid, through loans or grants, for tuition, books, tools, on-campus room and board, etc., may be available through various financial assistance programs. Students needing financial assistance are encouraged to complete the applications for financial aid as early as possible. Following application submittal, allow an 8-10 week period for processing. Early application assures availability of funds, if qualified, and allows the Financial Aid Office to prepare a realistic financial aid package.

Financial Aid information may be obtained by calling the Student Financial Services Office at 918.293.4684.

ESTIMATED STUDENT EXPENSES

http://www.osuit.edu/academics/new_tuition.html

2012-2014 - Estimated Cost Per Semester

\$1400.00 - \$3000.00 Required Tools (dependant on manufacturer and tool box selected)

Fall 2012 - Semester I

\$1,092.00	Two Bedroom/One Bathroom Suite
\$150.00	\$150.00 single unit, \$500.00 family unit (refundable)
\$648.00	20 Meal Plan
\$2,025.00	Tuition & fees \$135.00/ch (15 credit hours)
	This is in-state tuition or with nonresident tuition waiver applied
\$350.00	Books (approximate per semester)
\$50.00	Enrollment Deposit
\$4,115.00	Estimated total semester educational expenses

Spring 2013 - Semester 2

\$1,092.00	Two Bedroom/One Bathroom Suite
\$648.00	20 Meal Plan
\$2,025.00	Tuition & fees \$135.00/ch (15 credit hours)
	This is in-state tuition or with nonresident tuition waiver applied
\$350.00	Books (approximate per semester)
\$4,115.00	Estimated total semester educational expenses

Summer 2013 - Semester 3

\$1,092.00	Two Bedroom/One Bathroom Suite
\$648.00	20 Meal Plan
\$2,025.00	Tuition & fees \$135.00/ch (15 credit hours)
	This is in-state tuition or with nonresident tuition waiver applied
\$350.00	Books (approximate per semester)
\$4,115.00	Estimated total semester educational expenses

Fall 2013 - Semester 4

\$1,092.00	Two Bedroom/One Bathroom Suite
\$648.00	20 Meal Plan
\$2,025.00	Tuition & fees \$135.00/ch (15 credit hours)
	This is in-state tuition or with nonresident tuition waiver applied
\$350.00	Books (approximate per semester)
\$4,115.00	Estimated total semester educational expenses

Spring 2014 - Semester 5

\$1,092.00	Two Bedroom/One Bathroom Suite
\$648.00	20 Meal Plan
\$2,025.00	Tuition & fees \$135.00/ch (15 credit hours)
	This is in-state tuition or with nonresident tuition waiver applied
\$350.00	Books (approximate per semester)
\$4,115.00	Estimated total semester educational expenses

Summer 2014 - Semester 6

\$1,092.00	Two Bedroom/One Bathroom Suite
\$648.00	20 Meal Plan
\$2,025.00	Tuition & fees \$135.00/ch (12 credit hours)
	This is in-state tuition or with nonresident tuition waiver applied
\$350.00	Books (approximate per semester)
\$3,910.00	Estimated total semester educational expenses

\$24,485.00 Estimated total educational expenses

NOTE: Costs are estimated and subject to change.

Cost of tuition, fees, room and board may change after Oklahoma State Regents meet each July.

**Note: Tools required for the Manitowoc LIFT Program are considered an educational expense and should be included in education costs when applying for student financial aid.

**If zero level courses are taken, a Remedial Supplemental Fee of \$18.50 per credit hour will be charged.

Tool costs for Snap-On, Mac, and Matco sets are approximately ½ retail price with school discount. The Manitowoc advisory committee and faculty establish the required tool set for students in the Manitowoc LIFT Program. Faculty members suggest students spend time talking to veteran technicians prior to tool purchase.

Nonresident Tuition Waiver

http://www.osuit.edu/forms/2010/nonresident_tuition_waiver.pdf

A full nonresident tuition waiver includes only a waiver of the nonresident portion of the semester credit hour enrollment fees, and the remaining fees, as paid by Oklahoma residents still apply. The criteria for non-resident tuition waiver of out of state students enrolling at OSU Institute of Technology:

To qualify for the Nonresident Tuition Waiver the student must be enrolled full-time (12 hours) in a degree-seeking AS, AAS or BT program. Additionally, students are required to live on campus to *be awarded and continue to receive* the non-resident tuition waiver unless **at the time of application**:

- Student is 21 years of age or older
- Student is married
- Student has legal custody of a child

FIRST TIME FRESHMAN OR TRANSFER WITH LESS THAN 24 CREDIT HOURS (must meet at least one of the following criteria):

- 2.0 cumulative high school GPA
- 18 ACT composite or equivalent 860 on SAT
- Proficiency in at least 2 of 3 curricular areas (English - 81, Math - 46, Reading - 46) on COMPASS placement testing or demonstrated by college credit

TRANSFER WITH 24 OR MORE CREDIT HOURS:

- 2.0 cumulative college GPA

Continuing students will automatically receive the NRTW by meeting the following requirements:

- 2.0 cumulative graduation/retention GPA
- 75% completion rate of enrolled classes as of the end of the add/drop period

Continuing students who do not meet these standards each term will be placed on probation for one semester. Should the awarded students not meet the above requirements for a second term, the student will no longer be eligible for the Non-Resident Tuition Waiver for the following term. Awarded students will remain on probation until the cumulative graduation/retention GPA reaches the above standards.

Effective date: February 2010

MANITOWOC DEALER/OEM INFORMATION

How will the program benefit our Business?

This program is an answer to the skilled technician shortage. It responds to the needs of Manitowoc Dealers for highly qualified, motivated and skilled technicians. Technicians who are...

1. Trained on all current Manitowoc Cranes products.
2. Trained in the latest diagnostic and servicing procedures.
3. Trained to "do it right the first time!"
4. Trained with a positive attitude about their job.
5. Productive before they complete their training.
6. Educated in the important areas of communication, reading, mathematics, business management, business ethics, etc.
7. Trained in safe work habits and practices.

This program is a planned Dealer/OEM personnel development program. It combines the resources of Manitowoc Cranes with the expertise of the faculty at Oklahoma State University Institute of Technology and Manitowoc Dealers to build a true educational partnership! This program is designed to focus on the success of your potential employee, the Manitowoc LIFT Program student.

It is cost-effective! The best news is that there is no required up-front cost for the dealership. Your investment is minimal. Here's why:

1. You select and supervise the student as a productive employee of your business. The cooperative educational work experience occurs in your location, under your supervision and direction.
2. The student is responsible for the cost of tuition, fees, books and the required basic tool set.
3. You and the student agree on the wage rate during the internship experience. You are not required to pay them while they are attending classes at Oklahoma State University Institute of Technology.
4. You may elect to provide incentives or financial help to your student, at your option.

How are Manitowoc LIFT Program students recruited?

Oklahoma State University Institute of Technology will assist in recruiting students. It is the dealer's responsibility, however, to select the "right" student. You should actively recruit a student from your area. Some good sources are:

- | | | |
|----------------------|--------------------------------|-----------------|
| 1. Current employees | 2. Employees friends, families | 3. Customers |
| 4. High Schools | 5. Vo-Tech Schools | 6. FFA Chapters |
| 7. Skills USA | 8. High School Coaches | |

Once you have identified a student you believe will be a good applicant, bring the student to visit the campus at Oklahoma State University Institute of Technology to tour the facilities, interview with the faculty, complete assessment. Upon completion and with further discussion, a final decision should be made regarding sponsorship. It is also a good idea to offer the student some type of summer employment. This will allow both of you to verify that you have made the right decision, before the program begins.

What is the wage rate for Manitowoc LIFT Program Students?

The dealer determines the wage rate. The rate of pay is however, negotiable and is between you and the student. Manitowoc LIFT Program students base their value to the dealer on two important factors: the quality of training that is provided while on internship and prevailing wages. Successful people are motivated by a variety of things, but most expect to be rewarded in the form of an increase in salary. This is especially true when they are performing jobs well and continue to improve their skills and abilities. Manitowoc LIFT Program students are no different. A pay plan that rewards them for maintaining acceptable grades, doing good work, and improving productivity and efficiency is essential. Manitowoc LIFT Program students understand that they are trainees, and do not expect to be paid a journeyman wage during the training program. However, many of the best students have bills to pay, and families to support. Please consider a progressing pay plan or an incentive schedule.



INSTITUTE OF TECHNOLOGY

HEVi

Heavy Equipment and Vehicle Institute

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Program Diesel and Heavy Equipment Technology

Degree Awarded
Associate in Applied Science

General Requirements
88 Credit hours
2.0 Minimum Overall Grade Point Average

Typical Schedule for Manitowoc LIFT Program

Plan of Study

DHEW - 126

Bolded General Education courses will be scheduled for half semester classes; others will be accepted as transfer credit.

1st Semester - 15 Credit Hours

DHEW	1114	Fundamentals of Maintenance
DHEW	1224	Crane Terminology and Operation
CS	1013	Computer Literacy & Applications
GTGE	1111	College Cornerstone

DHEW	1133	Internship
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2nd Semester - 16 Credit Hours

DHEW	1122	Parts and Service Publications
DHEW	2413	Brakes, Steering & Chassis
DHEW	1212	Engine Principles
ENGL	1033	Technical Writing I
MATH	2003	Business Mathematics

DHEW	1233	Internship
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3rd Semester - 15 Credit Hours

DHEW	1313	Basic Fluid Power
DHEW	1343	Power Train
PSYC	1113	Intro to Psychology
ENGL	2033	Technical Writing II

DHEW	1333	Internship
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4th Semester - 15 Credit Hours

DHEW	1324	Basic Electrical Systems
DHEW	2422	Vehicle Air Conditioning Systems
POLS	1113	U. S. Government
GTCT	1183	Welding

DHEW	2433	Internship
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5th Semester - 15 Credit Hours

DHEW	2543	National 1 & National 2
DHEW	2553	Grove 1 & Grove 2
PHIL	1213	Ethics
SPCH	1113	Introduction to Speech

DHEW	2533	Internship
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6th Semester - 12 Credit Hours

DHEW	2612	PAT 1
DHEW	2624	GMK 1 & GMK 2
DHEW	2633	Manitowoc CraneCARE Capstone (LMI operations, setup and operation review OSHA annual inspections)
HIST	1493	U.S. History Since 1865

Manitowoc Required Tool List

1/4" drive 6 point standard and deep chrome socket set

- 6 point standard 3/16" - 9/16"
- 6 point deep 3/16" - 9/16"
- 3" extension, 1/4" ratchet, socket storage

1/4" drive 6 point standard metric chrome socket set

4mm - 13mm

3/8" drive 12 point standard chrome socket set 1/4" - 7/8"

3/8" drive 6 point chrome socket set

- 6 point deep 3/8" - 7/8"
- 6 point flex 3/8" - 3/4"
- Spark plug 13/16", 5/8"
- Universal joint, 3", 6" & 10" extension, 11-12" flex head 3/8 ratchet, socket storage

3/8" drive 6 point chrome metric socket set

10mm - 19mm

3/8" drive Torx Bit Driver Set (T-27 - T-55)

1/2" drive socket set

- 6 point standard chrome 3/8" - 1 1/4"
- 12 point standard chrome 3/8" - 1 1/4"
- 1/2" drive ratchet, socket storage
- 1/2" drive break over bar 21"-24"

1/2" drive Impact socket set

- 6 point deep impact 1/2" - 1 1/4"
- 2" & 6" impact extension
- 1/2" drive impact universal joint
- 1/2" drive 12 point chrome standard metric socket set 10mm - 19mm

Flair nut wrench set 3/8" - 7/8"

Metric flair nut wrench set 9mm - 21mm

Groove joint pliers 10" - 12"

Slip joint pliers 7" - 9"

Needle nose pliers 7" - 9"

Heavy-duty diagonal cutting pliers 7" - 9"

Vice-grip curved jaw locking pliers 10"

Combination screwdriver set 4 slotted tips;

- 3 Phillips, size 1, 2, 3;
- Stubby slotted; stubby Phillips

Ratcheting Screwdriver set (magnetic preferred) with

minimum of: Phillips 1,2,3; Slotted 5/32", 7/32", 1/4";

Torx T10-25

Allen SAE short arm hex key set (.028" - 3/8")

Allen metric hex key set (1.5 mm - 10 mm)

12 point combination wrench set 1/4" - 1 1/4"

12 point metric combination wrench set 7mm - 19 mm

16oz. ball-pein hammer

2lb soft face dead blow hammer

3 lb cross-pein hammer

5/8x6-1/2x1/2 cold chisel

3/8x5 center punch

5/32x5x3/8 taper punch

3/16x5-1/2x5/16 pin punch

3/4" - 1" diameter Brass drift

18"-21" rolling head (lady foot) pry bar

18"-24" pry bar with plastic handle and angled blade

Safety Glasses (clear)

25' tape measure

Feeler gauge set 0.0015 to 0.035"

Valve-tappet feeler gauge set .008" - .026"

Telescoping magnetic retrieving tool

Flexible retrieving tool

Gasket scraper

2"- 3" telescoping mirror

Seal Pick Set

Flashlight: minimum 2D cell, prefer MSHA approved, explosion proof

Rollaway tool cabinet: Minimum 5 drawer, 8000 - 12000 cubic inch storage capacity with ball bearing slides

Digital Volt-Ohm Meter and case with specifications as

the Knight Electronics K-260

3 1/2 Digit, 2000 Count, High resolution on volts

20mV current 20µA Ohm ranges

DC Volt: **0-20/200mV/2/20/200/1000V** ±0.5%

AC Volt: **0-20/200mV/2/20/200/750V** ±1.5%

DC Current: **0-20/200µA/2/20mA/2/20A** ±1.5%

AC Current: **0-20/200µA/2/20mA/2/20A** ±2%

Resistance: 0-20/200 ohm/2K/20K/200K/2000K

ohm/20M ohm/2000M ohm ±1%

Capacitance: 0-200P/200P/20nF/200nF/2µF/20µF/ ±3%

20A fused protection

Frequency: **Auto ranging** up to 15MHz ±0.5%

Continuity: < 40 ohm±20 ohm

Diode Test function

100VDC/750VAC overload protection in DCV, ACV above 2V

Outside Micrometer 0-1" (.0001" grad.) or 0-25mm

(.001mm grad.) Swiss Style (not digital) with ratchet

stop or friction thimble, lock lever and carbide tips

Dial Caliper 0-6" or 0-150mm

6" stainless steel rule - English 1/32 & metric 1mm

Heavy Duty Oil Filter Strap Wrench 1/2 inch drive up to 9" diameter

Optional

Top tool chest

1/2" impact wrench

1/2" drive standard impact sockets

1/2" drive metric standard impact sockets

1/2" drive metric deep impact sockets

1/2" ratchet drive micrometer torque wrench 30-250 ft-lb

3/8" ratchet drive micrometer torque wrench 50-250 in-lb

12" pipe wrench

3/4" drive socket set

Need Money?

Scholarship Resources on the Web



www.collegefunds.net



<http://www.wiredscholar.com/>



www.fastweb.com



www.freshinfo.com



Scholarships.com Free College Scholarship Search & Financial Aid Resource

www.mach25.com

<http://www.scholarships.com/>

Also try searches on web search engines like "Free+scholarships" or "free+grants"

Vary the search to include the job you would like to do and scholarships, i.e.
"Medical+free+scholarships"

Or the major you would like to pursue, i.e.
"accounting+scholarships+free"

Some Popular Search Engines:



www.yahoo.com



www.google.com



www.lycos.com



www.askjeeves.com



www.hotbot.com



www.altavista.com



www.excite.com



www.northernlight.com

FINANCIAL AID WEB SITES

FINANCIAL AID SEARCHES:

FastWeb Financial Aid Search – www.fastweb.com

Mapping Your Future – www.mapping-your-future.org

College Board Scholarship Search – http://apps.collegeboard.com/cbsearch_ss/welcome.jsp

GRANTS AND SCHOLARSHIPS:

FAFSA Express – www.FAFSA.ed.gov

Missouri Higher Education Loan Association (MOHELA) – www.mohela.com

Oklahoma Guaranteed Student Loan Program (OGSLP) – www.ogslp.org

Oklahoma State Regents for Higher Education – www.okhighered.org

Oklahoma Tuition Aid Grant (OYAG) – www.otag.org

GENERAL INFORMATION:

Coalition for Student Loan Reform – www.cslr.org

National Association of Student Financial Aid Administrators – www.nasfaa.org

National Council of Higher Education Loan Programs – www.nchelp.org

Oklahoma State Department of Career Tech – <http://www.okcareertech.org/>

Project EASI – www.easi.ed.gov

The Financial Aid Information Page – www.finaid.org

US Department of Education – www.ed.gov