**ART Department**

* 3D Rendering and Animation
* Adobe Photoshop 6.0 and 7.0
* AutoCAD 2002
* Autodesk Architectural Desktop 2004
* Autodesk Viz4
* BeamChek 2004
* Draw Vision Office Equipment
* Microsoft Excel
* Microsoft FrontPage
* Microsoft Word
* Microsoft PowerPoint
* Microstation V8
* Multi-line phones
* Presentation design and layout
* SQL
* Visual Basic
* Windows 2000, XP, and AS/400

**ACR Department**

* Body Filler/Paint
* Bumper Cover repair
* CDL License
* Detailing
* Engine Maintenance
* Estimating
* Forklift Operator
* Frame straightening
* Hazmat Certified
* High Lift and Power Jack trained
* ICAR Aluminum Welding
* ICAR Sheet Metal Welding
* Knowledge of 3M Products
* Knowledge of Sikkens auto finishes
* Metal Fabrication
* Metal Working
* Oxyacetylene Welding
* Plastic Bumper Welding
* Repair/align auto bodies
* SP2 Certified
* Tear Down & Reassembly

**AMT Department**

* A/C Repair
* Able to replace clutch and flywheel
* Able to replace and rebuild axels
* Advanced Electrical Repair
* Alignments
* Automatic Transmission/Transaxle
* Diagnostics
* Engine Performance
* Engine Repair
* Exhaust
* Experience in Engine Rebuild
* Experience in Turbo Chargers Installation
* Full brake service
* Light structural and body damage repair/replacement
* Line shop experience
* Replace intake manifold gasket
* Suspension
* Tires/Oil Changes
* Transmission removal/installation

**BSAT Department**

* 3D Rendering using AutoCAD
* Architectural Desktop 2005, 2007
* Autodesk 3D
* Basic Surveying Techniques
* Beamchek 2006.03
* Color Rendering Abilities
* Construction Documentation
* Familiar with Google SketchUp
* Inventor Professional 10
* Mechanical Drafting
* Microsoft Office knowledge
* Micro Station V8 with GEOPAK
* Model Building
* Photoshop CS2
* Professional Presentations
* Proficient in Architectural Desktop 2006
* Proficient in AutoCAD 2004-2007
* SketchUp 5
* Structural Analysis

**CRP Department**

* Air Drill Gun & Hydraulic Lift Operation
* Assembly Line Feeding
* Building Layout/Survey
* Carpet and Tile Flooring Installation
* Complete Residential Buildings in All Stages
* Finish Carpentry & Drywall Installation
* Floor Systems
* Heavy Equipment and Machine Operation
* Interior/Exterior Finishing
* Interpret Residential Blueprints
* Knowledgeable of Building Code
* Maintain Atmosphere according to OSHA Standards
* Manipulate hand & portable power tools
* Manipulate stationary machinery
* Power Actuated Tools certified
* Product Quality Assurance
* Select lumber & building materials
* Vinyl siding, Facsia and Sofit
* VSI Certified

**CST Department**

* Cable Testing
* Controllogix
* Control PIDe
* Control Valve and Accessories Selection
* Flow Measurement and Control
* Ground Testing
* High voltage substation repair and maintenance
* High-low voltage substation repair and maintenance
* Low voltage breaker repairs
* Medium voltage breaker repairs
* Oil & SF6 Gas Reclamation
* On-Site Switchgear repairs
* OSHA 10 Safety Certification
* Panelbuilder32
* Power circuit breaker testing
* RsLinx
* RsLogix500
* Thermography
* Transformer Testing – Low and Medium Voltage

**EAT Department**

* AC/DC Electricity
* Advanced National Electric Code
* Basic Wiring Practices
* Blueprint Reading
* Calibrate Sensors
* Control Circuits with Programmable Logic Controls
* Install, Maintain, and Troubleshoot Machines and Motors and Drives
* Interpret and Troubleshoot Ladder Logic
* Motor Starters and Drives
* National Electric Code
* Panel Builder
* PLC Programming/Troubleshooting
* Process Instrumentation
* Protocol Pro
* Read Schematics and Ladder Diagrams
* Residential and Commercial wiring
* Solid State and Digital Electronics
* Transformers and Power Distribution
* Troubleshoot Motor Controls with the use of Ladder Diagrams

**ESDT Department**

* AC/DC Theory
* AutoCAD
* Basic and Advanced N.E.C. knowledge
* Basic wiring practices
* Blueprint Reading
* Commercial Wiring Shop
* Electrical Design/Layout
* Fire Alarms
* Lighting Design
* Low Voltage Wiring
* Motor Controls
* National Electric Code
* PLC’s
* Power distribution
* Project Management
* Residential Wiring Shop
* Solid State Circuiting
* Understand McCormick Estimating software

**FWT Department**

* Blueprint Reading
* Brazing
* Cybo-Robot Fabrication
* Drill Press
* Gas Cutting
* Hydraulics
* Manufacturing
* Material Handling
* Measuring
* Metal Stamping
* MIG Welding
* Quality Control
* Punch Press
* Shearing
* Soldering
* Spot Welding
* Stick Welding
* Surface Grinding
* Testing
* TIG Welding

**HPRT Department**

* Brake Line Repairing
* Certified Tire and Lube Technician
* Driveline Repair
* Dyno Testing and PCM Programming
* Electrical Maintenance and Diagnostics
* Engine Machining
* Engine Performance
* Engine Tuning
* Line Shop Experience
* Rotor/Drum Machining
* Steering Maintenance
* Suspension Maintenance
* Tire Mounting and Balancing
* Transmission Rebuilding
* Wheel Alignment

**HVACR Department**

* Able to work in residential and commercial applications
* Boilers: Water and Steam
* Brazing and soldering
* Charging Systems by Weighing in and by touch
* Drywall and Painting
* E.P.A. Certified (Universal)
* Electrical Troubleshooting
* Electrical Wiring: (Systems and basic household)
* Familiar with refrigerators, a/c units, furnaces, heat pumps, and commercial refrigeration equipment
* General Labor in Carpentry field
* Installation
* Pipefitting
* Pour new and restore old concrete applications
* Problem Diagnosis/Solving
* Recovering and Evacuating
* Sheet metal/Air duct fabrication & installation
* Sizing Units
* Welding

**IT Department**

* A+ Certification (Installation and Configuration of Hardware)
* A+ Certification (Installation and Configuration of DOS, Windows 3.1, and Windows 9.x)
* Able to install and terminate network cabling
* Basic HTML
* CCNA Certification (Installation, Configuration, and Troubleshooting of Cisco Routers)
* Configure and troubleshoot Cisco routers and Cisco switches
* Created Batch Files
* Implement, maintain, and troubleshoot Windows Server 2005, 2008 Environment
* Implementation of NAT, DHCP, and access control lists
* Install and configure System Backups and perform System/Data Restores
* Installation, Configuration and Troubleshooting of Microsoft operating systems
* Microsoft SQL Server 2005 and 2008 databases
* Operate SQL Server
* Prepared System for Unattended Installation
* Proficient installing, configuring, troubleshooting and maintaining Cisco wireless equipment: bridges, access points, repeaters, and Antennas
* Understand Networking Protocols
* Windows 7 Operating System Certification

**IWT Department**

* ASP.NET and MVC (Model-View-Controller)
* C# and Java Programming Languages
* Creating GUI applications
* Creating, Updating, and Deleting databases
* Graphic and Web Design
* IIS Web Service
* Installation, Configuration and Troubleshooting of Microsoft operating systems
* Knowledge with Photoshop, Dreamweaver
* Language Building Programs Visual Studio, Eclipse, Visual C#
* MCTS (Microsoft Certified Technology Specialist) Certification
* .Net Framework Certification
* Network security form validation
* Object-oriented programming, methods, classes, inheritance, arrays, looping, conditional statements, and exception handling
* Operate SQL Server database
* Page layouts, navigation, tables, forms, e-commerce, and accessibility
* SCJA (Sun Certified Java Associate) Certification
* Scripting languages HTML, XHTML, CSS, JavaScript
* SQL queries, creating tables, creating indexes, working with functions
* WordPress Content Management

**INT Department**

* Able to arc weld, mig/tig, run cutting torch
* Able to read/interpret blueprints
* Alignment of gears/motors, repair bearings, run contacts, understand three phase/single phase motors
* EPA Certified Universal Technician
* Experience running lathe/mill, understand basic operations, troubleshoot/repair hydraulic systems
* Experience with conveyors, gearboxes, chains, pulleys, parts fabrication, machine controls, motors and electronics
* Experienced with wood / steel framing; competent with PVC, black-iron, copper/oakum/lead
* Knowledge of 120V, 220V, 240V, 480V, able to run circuits according to code
* Knowledge of basic A/C unit/repair system\
* Practice Programming Slic 500
* Precision Machining
* Recover refrigerant and Type II EPA certification
* Sheet Metal Fabrication
* Thorough knowledge of materials, methods, and the tools involved in the construction or repair of buildings and other structures
* Trouble-shoot/repair Hydraulic Lines

**PLT Department**

* Brazing, Soldering, and Drafting skills
* Checked plumbing systems to detect leaks
* Electronics Certification
* Experience with PVC and CPVC
* Fixture Installation
* Heavy Machinery, Power Tools, and Forklift experience
* Identified electrical, plumbing, and safety problems applicable to plumbing installation and took necessary corrective action
* Installing copper, plastic pipe, cast iron, and trim within the requirements by code
* Install, repair, or replace domestic hot and cold water lines
* Installed water and sanitary fixtures under supervision
* Interpret and apply mechanical and structural blueprints to plan plumbing repairs and modifications
* Knowledge of plumbing codes
* Knowledge of various types of valves
* Maintain and repair general plumbing components to include toilets, urinals, faucets, hose bibbs, and drains.
* Plumbing/Pipefitting installation
* Provide sketches and dimensions used by drafters to create plans for subcontractor work
* Unstopped commodes, drains, sewer lines, and cleaned grease traps
* Welding/ Mig and Stick all positions Certification

**PMT Department**

* Advanced CAD (Computer Aided Drafting) and CAM (Computer Aided Manufacturing)
* Arc welding
* CNC Vertical and Horizontal mills
* Drill Press
* G & M Code Programming
* Hand Tools
* Knowledge of Okuma
* Machine Shop Mathematics
* Maintenance machining
* Manual Vertical and Horizontal mills
* Measuring Tools – Micrometers, Calipers, Telescoping Gauges, Optical Comparator
* Product controls
* Reading and Interpreting blueprints
* Shop safety
* Tool making

**SE Department**

* Air Compressors
* Blueprint reading
* Boiler Plant Operator
* Boiler Tending
* Heating System Mechanic Plumbing
* High lift & fork lift licensed operator
* Hydraulics, Pneumatics
* Industrial Rigging
* Industrial Steam Generating
* Layout work
* Maintenance of boilers, HVAC, control valves, pumps, etc
* Pipefitting across all media (Welded pipe, screw pipe, Victaulic, copper, PVC, mild steel)
* Power Distribution systems
* SAP Program
* Stationary Engineer license
* Tig, Mig, Stick Welding
* Wet & dry paint systems (Sames, Baer, Encore)