Salt Lake Community College

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General Catalogs and Class Schedules

Student Experience

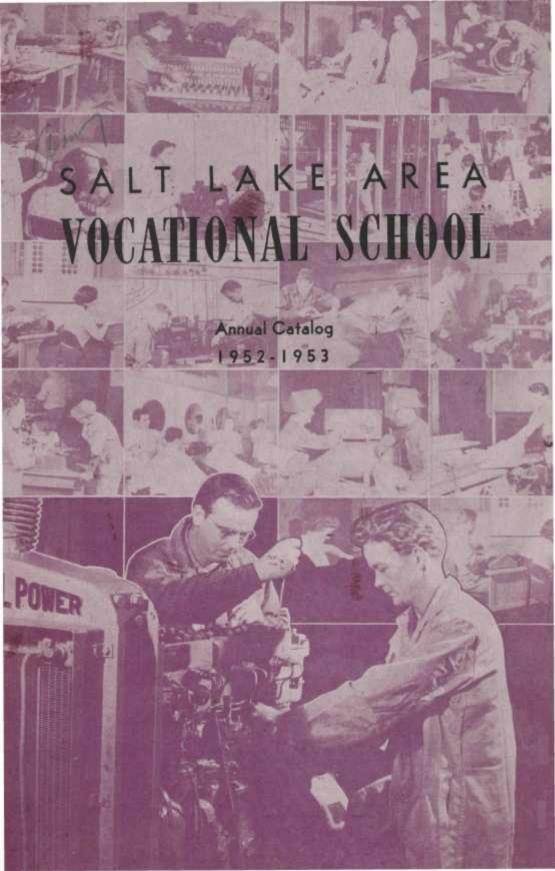
1953

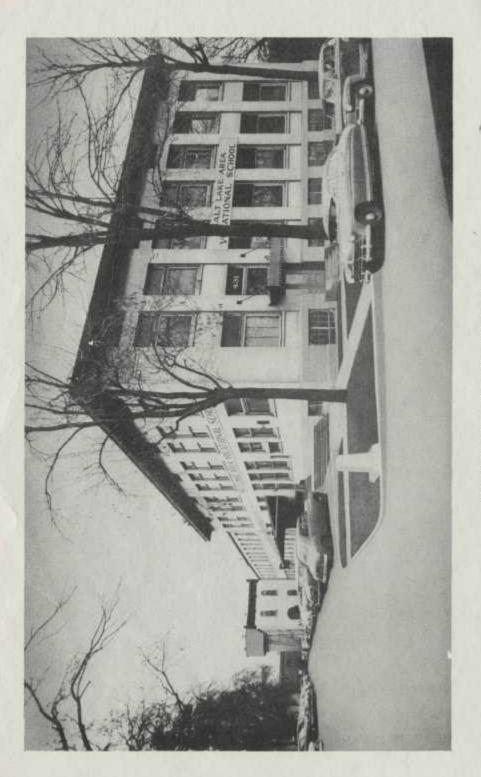
General College Catalog 1952-1953

Salt Lake Area Vocational School

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Salt Lake Area Vocational School

Annual Catalog 1952-1953

SALT LAKE AREA VOCATIONAL SCHOOL



This little man is symbolic of the training for skilled occupations which can be obtained at this school. He can help prepare anyone who wants to progress for a future in the skilled trades.

"Learn to Earn"

A public supported trade-technical school operated under the direction of the Salt Lake Area Board of Control for Vocational Education.

> 431 SOUTH SIXTH EAST SALT LAKE CITY, UTAH Dial 3-4594 3-0160

1952-53

UTAH STATE BOARD FOR VOCATIONAL EDUCATION

Board Members and Executive Officers

Dr. E. Allen Bateman - Salt Lake City	nd Chairman
Wm. O. Bentley, Jr St. George	ice-Chairman
Wm. C. Jensen - Ogden	Member
Dr. George L. Rees - Smithfield	Member
Ray P. Dyreng - Manti	Member
Dr. Harold E. Nelson - Midvale	Member
Dr. Wells T. Brockbank - Spanish Fork	Member
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A. L. Elmer - Panguitch	Member
Lynn Richards - Salt Lake City	Member
William P. Miller - Salt Lake City	Secretary

BOARD OF CONTROL

Dr. J. O. Jones - Jordan District Board of Education	Chairman
Grant M. Burbidge - Salt Lake City Board of Education	.Vice-Chairman
Horace B. Richards - Salt Lake City Board of Education	Member
Lincoln F. Hanks - Salt Lake City Board of Education	Member
Dr. Calvin S. Smith - Granite District Board of Education	Member
Charles A. Orme - Murray, Tooele, Park City Boards	Member
E. Virgil Norton · Davis District Board of Education	Member

ADMINISTRATION

President	Jay L. Nelson
Supervisor, Day Program	Cecil O. Samuelson
Supervisor, Evening Program	Lloyd V. Tilt
Administrative Assistant	Stephen J. Beeley

STAFF

Apprentice Training Coordinator	Fred R. Greene, Jr.
Guidance Counselor	
Day Registrar and Bookkeeper	
Evening Registrar	William A. Thiriot
Bookstore Manager	Donald F. Moore
Secretary	Edith Syphers
Building Engineers Louis	Howecroft, Leo Bishop

FACULTY

Day School

Auto Body Repair and Painting	Orrin W. Spainhower
Auto Body Repair and Painting	Levern Hansen
Automotive Mechanics	
Automotive Mechanics	Parker M. Pratt
Barbering	Martin Knuteson
Business Practice	
Carpentry and Cabinet Making	Walter D. Pitts
Carpentry and Cabinet Making	Stanley D. Jones
Commercial Art	Evan E. Jensen
Cosmetology	
Diesel Mechanics	
Drafting	T. Burdell Tenney
Electricity	Wallace Burt
Electronics - Radio.	
Machine Shop	William E. LaPearle
Practical Nursing	Shirley Collins
Practical Nursing	Vestha Sandberg
Refrigeration	J. Ross Weight
Supervisory Personnel Development	
Tailoring and Fashion Design	Bernice Patterson
Welding, Cutting and Metal Fabrication	Richard D. Wellard
Welding, Cutting and Metal Fabrication	George S. Bringhurst

Evening School

For information regarding the Evening School Instructional Staff see the Evening School section of this catalog beginning on page 32.

SCHOOL CALENDAR 1952 - 1953

September 1 - 6		
September 8		
October 9 · 10 · 11		
November 27 - 28		
December 24—January 4	(incl	usive)
February 22		
May 28		

Day School Registration Day School Instruction Begins U.E.A. Institute Thanksgiving Holiday Christmas Holiday Washington's Birthday School Closes

PURPOSES OF THE SCHOOL

The Salt Lake Area Vocational School has been organized to meet the needs of three main groups:

Those who wish to become qualified for employment in an occupation.

 Those who are learning an occupation on the job and who need supplementary training in the technical and related subjects of the occupation on a part-time basis.

Those who are qualified but who wish to increase their trade competence through study of subject areas of particular concern to them.

The Day School is intended to meet the needs of the first group while the Evening School is concerned with the second and third groups.

HISTORY

The establishment the Salt Lake Area Vocational School was authorized by the 1947 State Legislature in recognition of the serious shortages of trained industrial and crafts workers in the State of Utah. The organization of the School effected a coordination and consolidation of vocational interests and activities among the several school districts in and around Salt Lake City. The school districts participating are: Davis, Granite, Jordan, Murray, Park City, Salt Lake City and Tooele.

The school organization was established, the site was selected, and the school opened its doors for the first classes September 1, 1948.

Since the inception of the program the combined enrollment in the day and evening classes exceeded thirteen hundred students each year.

While the bulk of the enrollment has come from the area of the participating school districts, applications are accepted from the state at large. Students from out of the state are also welcome.

WHO MAY ATTEND

The facilities of the school are planned to meet the needs of three main groups of people: (1) persons who can qualify for pre-employment training with the aim of actually entering an apprenticeship upon completion of their school program: (2) persons who need related training to supplement regular apprenticeships in which they are currently engaged: (3) journeymen who want trade extension training to promote their growth in an occupation for which they are already prepared.

It is recognized that trade competency cannot be acquired in the short time available in an evening course. Therefore, pre-employment

training which requires six hours per day, five days per week, is available only on the full day program. This program is fully explained under the heading. "Types of Instruction," which follows.

The related and technical training classes for apprentices and the trade extension classes for journeymen are scheduled to meet the time requirements of the trade. These are usually held in the evening.

All applicants sixteen years of age and over who belong in any of the groups listed above will be admitted to any class for which their qualifications give promise of ultimate satisfactory job performance.

However, each applicant is considered individually, and the school reserves the right to refuse to admit unqualified applicants and drop students who do not or cannot make progress in their work.

The school is interested only in those who have a sincere desire to learn a trade or to increase their competence in a trade already learned. All students, both day and evening, are expected to be regular in attendance, to report to school on time, to pay attention to instruction, to display proper care in the use of tools, to be orderly and to follow every safety precaution.

TYPES OF INSTRUCTION

The instruction of the school is organized around two basic programs, each of which is designed to meet a specific need.

Plan A, for persons 16 years of age and over, has the purpose of giving instruction in the standard practice or occupation with such trade, technical and related instruction as will best fit the individual for profitable employment. The instructional program provides for a minimum of four hours per day of actual shop or laboratory practice with the balance of the day devoted to technical and related subjects. By arrangement with the high school principal, high school students may participate in the program and receive high school credit.

Plan B provides supplementary training, usually on an evening basis for apprentices already engaged in an occupation. It provides the related and technical instruction to supplement the training they receive on the job. Where the demand is evident, special training will be made available to upgrade journeymen in their respective fields.

SCHOOL HOURS

Day School hours are from 8:30 A.M. to 3:15 P.M., five days a week; a total of 30 hours per week.

Evening School hours are from 7:00 P.M. to 10:00 P.M., two nights a week: a total of 6 hours per week.



1952-53

TUITION AND FEES

Day School

REGULAR SESSION

Registration for school year of nine months	10.00
by state law to pay a quarterly non-resident fee of \$35.00	
in addition to the registration and other fees charged by the school.)	
Tuition	65.00
Shop Fee	10.00
Student Activity Fee	3.00
(Special fees, if charged, are listed under the course descrip-	
tion.)	

Evening School

For information regarding Evening School fees see the Evening School section of this catalog, beginning on page 32.

FEES ARE PAYABLE IN ADVANCE TUITION MAY BE PAID QUARTERLY

REGISTRATION

Students may register and begin their work at any time during the school year. However, it is preferable to register at the beginning of the school year or at the time a particular class starts. Announcement will be made of the starting date of each course which begins after the regular registration dates as given above.

Instruction begins September 8, 1952. Application for entrance into classes may be made prior to that date. Registration may be accomplished commencing September 1. Veterans will be given preference.

Due to budgetary limitations it is not possible for the school to accept any students on other than a full time basis for the present school year.

REFUNDS

In the event of official withdrawal, only the tuition fee will be refunded on a pro-rated basis as follows:

Students withdrawing during the first four weeks of a quarter may receive a refund of two-thirds tuition paid for the quarter; those withdrawing between the forth and eighth weeks may receive a refund of one-third tuition paid for the quarter. No refund will be made if withdrawals are made after the eighth week of the quarter. Students who pay their expenses at the beginning of the year may receive all payments back for the quarters they do not attend.

All other fees are not refundable — registration fee, shop fee, locker and towel fee, student activity fee, etc.

INFORMATION FOR VETERANS

A Certificate of Eligibility must be obtained from the Veterans Administration prior to registration. In order to obtain a Certificate of Eligibility it is necessary for a veteran to present his discharge papers, marriage certificate, children's birth certificates and dependency certificates to the Veterans Administration at the time application is made for training. Supplies, books and equipment will be issued to veterans at no charge; however, these materials will not be issued until the school has received the Certificate of Eligibility.

Accumulated leave will be charged for absence. In any case, notification of absence must be made to the school as soon as possible. All cases of excessive absence will be reported to the Veterans Administration.

SCHOLARSHIPS

The Salt Lake Area Board of Control grants scholarships to qualified persons each year. Those interested should make application to the registrar before registering.

The Salt Lake Kiwanis Club and the Bonneville Kiwanis Club both have set up a scholarship for the coming school year. Each of these scholarships is in the amount of one hundred and fifty dollars; eighty-eight dollars to be spent for tuition and the remainder to be applied to the purchase of the hand tools of the trade for the student.

These scholarships are to be awarded on the basis of scholarship and need. Any student who is interested in these awards should apply as soon as possible after the beginning of the fall term to the school counselor.

CERTIFICATES

Upon completion of a course of training, each student will receive a Certificate of Accomplishment certifying the content and quality of work done. This will be issued only to those completing the course.

Certificates will also be given to those people who complete special short courses offered by the school.

HIGH SCHOOL CREDIT

High school students expecting to receive high school credit for work done at this school must make such arrangements with the high school principal in advance of enrollment here.

GRADES AND REPORTS

A report indicating a student's progress will be issued at the close of each month. The student's progress will be rated at follows:

Outstanding	(Symbol O)
Satisfactory	(Symbol S)
Not Satisfactory	(Symbol NS)

The term "Outstanding" designates a student whose work is considered to be above acceptable standards of the occupation. The term "Satisfactory" identifies those students whose work would be acceptable in the occupation. The term "Not satisfactory" designates those students whose work does not meet the accepted standards of the occupation.

The grade of "NS" results in a student being placed on probation for the succeeding twelve week period. A second grade of "NS" will result in either a termination from school or a change in the occupational objective. Such change will be permitted only upon the advice of the counseling service.

ADVISORY COMMITTEES

General

A General Advisory Committee has been established to foster closer cooperation between management, labor and the school: to integrate vocational training to meet more effectively the needs of all groups concerned. This committee acts solely in an advisory capacity.

Joint Apprenticeship Committees

To assist in the operation of specific school courses, there have been established Trade Advisory Committees, the membership of which is usually the same as the Joint Apprenticeship Committee of the trade. These committees will advise in such matters as training needs, types and amounts of instruction, etc.

The school is conducted neither in the interest of, nor in opposition to, any trade organization, whether it be employer or employee. The work is purely educational, with but one purpose, that of helping young people enter into or make satisfactory progress in a trade career.

GENERAL INFORMATION ABOUT THE SCHOOL

Buildings and Equipment

The school is located on the east side of 431 South Sixth East Street. The building has been completely renovated and equipped wth modern shops and class rooms. Its expansive floor space of 96,000 square feet presents an ideal setting for a large vocational school.

Bookstore

The bookstore has been established to enable the students to secure conveniently at retail prices, equipment and other supplies essential to their programs. Supplies, books and equipment will be issued to veterans at no charge; however, these materials will not be issued until the school has received the veteran's Certificate of Eligibility. The bookstore will be open on school days at designated hours.



Food Service

A Food Service Department is operated at the school for the benefit of the students and faculty. Here, warm, nourishing lunches may be secured at a nominal cost. Eating facilities are available for those who carry their lunches.

Counseling Service

It is believed that the school can best give what its students most need when they are pursuing occupational objectives which offer for them the most favorable opportunities for success. To this end, a Counseling Service has been established to assist students in the selection of occupational objectives and in the solution of personal problems that may have bearing upon their school work.

Placement

The school maintains friendly and cooperative relations with labor, management, and the employment offices in this area. In cooperation with these agencies, the school will give to its graduates all possible assistance in securing jobs they are best qualified to perform.

However, the school does not assume responsibility for the placement of its graduates.

Housing

It is recommended that those students who anticipate moving to Salt Lake City to attend school make arrangements for suitable housing in advance of their coming.

The school will do all possible to assist in the location of housing, but cannot assume responsibility for securing such facilities. Out-of-town students must have their housing facilities approved by the school.

Part-Time Employment

A cosmopolitan city the size of Salt Lake has many and varied business establishments which offer a variety of part-time employment. Students who need part-time work to help defray the cost of attending school will have considerable opportunity to find such employment. However, employment must not interfere in any way with school hours.

Policy of Class Operation

Space limitations and budgetary restrictions require that all courses be operated to the capacity of the available facilities. Therefore, the administration reserves the right to withdraw any course offered for which an insufficient number of registrations have been received. Likewise, any course will be discontinued should the enrollment fall below a minimum number designated by the administration.

STUDENT REGULATIONS

Terminations

Students desiring to discontinue their course must be cleared by the instructor, the bookstore manager and the registrar.

Transfers

A transfer from one occupational objective to another will be made only in justifiable cases. Transfer slips must be filled out by the student and approved by the counselor. Veterans must have prior approval from the Veterans Administration.

Visiting

It is expected that students will not visit in classes in which they are not enrolled.

Visitors are welcome but are requested to obtain a pass and guide from the office before entering any shop or class room.

Parking

A limited parking area has been provided on the north and the south sides of the building. Cars may be parked here only in designated areas. However, ample parking is available on all streets adjacent to and in the immediate vicinity of the school.

Smoking

For reasons of safety and to comply with the state law, smoking is prohibited in the shops and class rooms of the school.

Smoking areas have been designated and containers have been provided to assist in keeping the campus clean.

Telephone Calls

Students will not be called to the telephone during class hours except in cases of emergency. All students' calls must be made from the pay station which is located near the cafeteria.

Tools and Equipment

Each course has a required list of books, tools and supplies, which all students are expected to purchase. These items are provided for veterans. The veteran is permitted to use them during his training period. At the completion of the course they are given to the veterans. Veterans who do not complete the course must return these items to the school.

Production Work and Student Projects

All student projects must be approved by the instructor before they are started. It is expected that all student projects be related to the course of instruction and practical from the standpoint of training needs.

No student will be permitted to remove completed projects from the school until all financial obligations to the school have been satisfied.

Absence and Tardiness

GENERAL

It is expected that students will be both punctual and regular in their attendance. Absence without excuse will not be condoned. Three consecutive absences without notification will result in termination. High school students must submit excuses from their parents or guardians in writing.



DAY SCHOOL

The Day Program of training at the school is set up on a preemployment basis; the student should complete his elected course before entering the trade or occupation as a wage earner.

The school does not attempt to produce journeymen, but merely competent, well-trained people who have the basic skills, knowledge and techniques of their trade. Upon entrance into an apprenticeship or training on-the-job situation, the individual who has trade and industrial training has a definite advantage over the person not so well-equipped.

Courses are usually two years in length: except for Barberingsix months, Practical Nursing-twelve months, Cosmetology-nine months, and Business Practice-nine months.





ARCHITECTURAL DRAFTING 2880 Hours

Modern construction has made the architectural draftsman an integral part of the building industry in this country. Every phase of the profession receives attention with particular emphasis placed on local conditions and practice.

The student will first be taught the basic fundamental operations of drawing and architecture so that he may have the proper background for the advanced work. In an atmosphere of the professional drafting room he will learn to carry architectural projects from the preliminary sketches through to the completed working drawings. He will acquire knowledge in color, design and use of building materials and an appreciation of the related fields of art and industrial design. Class projects will include model making and rendering in all media. Frequent field trips will acquaint the student with contemporary practices in good construction.

Study Areas

Trade Practice

Principles of Design Construction Preliminary Sketching Working Drawings Pictorial Drawing, Isometric and Perspective Rendering Lettering Tracing and Duplicating Pattern Drafting Care and Use of Drafting Equipment

Related Subjects

Arithmetic Architectural Terminology Spelling Art and Design Appreciation Color Harmony Building Codes Trade Practices Architectural Design Building Materials Local Conditions Industrial Design Basic Social Science



AUTO BODY REPAIR AND PAINTING 2880 Hours

Auto body repair and painting is one of the most important phases of the automobile industry. To be successful, the worker must not only be well-trained in the manipulative operations of the trade, but he must also have a good working knowledge of the theory behind the work.

In modern well-equipped shops the student will be trained in the techniques of metal shrinking, soldering, welding, bumping, filing. grinding, sanding and polishing of auto bodies and fenders. Experience will also be given in body and frame alignment, replacement of body parts, glass installation and some upholstery work. Another large division of the occupation, that of auto painting, is included in the course; it is taught in the up-to-date, well-equipped painting division laboratory.

Study Areas

Trade Practice

Fender Repair Alignment and Repair of Frame and Body Members Welding, Cutting and Lead Filling Panel Repair Replacement of Glass, Trim and Hardware Painting and Finishing Repair and Replacement of Tops Radiator Shell, Grill, etc. Rear Assemblies

Related Subjects

Business Management

Health and Safety

Human Relations

- Simple Blueprint Reading and Sketching
- Physics of Machines, Lubrica-tion, Fluids, Heat

Arithmetic for Estimating and Finishing Materials

Trade English

Basic Social Science and Trade History





AUTOMOBILE MECHANICS 2880 Hours

The automobile industry is one of the largest industries in the country. The modern automobile is a tremendous achievement of technology, and requires an ever increasing number of highly trained, skilled workmen for service and maintenance.

The course emphasizes the basic principles of maintenance and repair of passenger cars and light trucks. Specific course content includes a description of automobile parts and their functions: practice in disassembly, overhaul, and reassembly of the engine: chassis construction, operation, and repair: repair and maintenance of clutch, transmission, and differential; cooling and lubricating systems: automotive electrical systems; the fuel systems; trouble shooting and testing; motor tune-up; the braking system; and the reading of automotive diagrams. Shop practice is correlated with the theoretical course content.

Study Areas

Trade Practice

The Fuel, Ignition & Cooling Systems The Chassis and Body

Engine Tuning Welding, Brazing, Soldering

The Engine Block Assembly

Flywheel and Clutch Assembly

Transmission

Universal Joints and Drive Shafts

Differentials & Fluid Couplings Front System Service

Related Subjects

Arithmetic

Algebraic & Geometrical Formulas for Automotive Calculations

Health and Safety

Physics of Machines, Fluids,

Gases, Heat, Electricity

Chemistry of Lubrication, Fuels, Oxidation, Materials

Trade English

Shop Organization

Business Management



BARBERING 1000 Hours

Because of the necessity of this type of work in society, barbering has become one of the most well-established, well-thought-of vocations of the personal service group.

The curriculum encompasses the techniques and science of barbering practice: diseases associated with the skin and scalp. treatment of these diseases: and the basic study of preparations and equipment used in the profession.

Upon the satisfactory completion of this course and the passing of the State Licensing Board Examination, the student will receive a oneyear license to practice as an apprentice barber under the supervision of a licensed journeyman barber. The satisfactory completion of the oneyear apprenticeship and the passing of another examination by the State Licensing Board will qualify the student as a journeyman barber.

Study Areas

Trade Practice

Shaving Haircutting Shampooing Massaging Treatments of the Skin and Scalp Sterilization and Sanitation Shop Management Care of Tools, Equipment and Supplies Customer Relations Safety

Related Subjects

History of Barbering The Skin and its Appendages Bacteriology and Hygiene The Theory of Massage Ethics of Barbering Laws Affecting Barbering Personal Devolopment General Anatomy and Physiology Anatomy and Physiology of the Head and Face Histology of Skin and Hair





BUSINESS PRACTICE 1080 Hours

Training in the basic theory and operation of the modern business office is offered in this course designed to prepare the student to go directly into employment.

Training for employment in clerical and office work includes: typewriting: shorthand: bookkeeping: business mathematics: business English; word studies: office techniques; filing; personality development: use and care of office machines, such as mimeograph, adding machines, key'-driven calculators, crank-driven calculators, dictaphone and bookkeeping machines. Basic bookkeeping and simple accounting are learned by working with actual business forms.

Advanced office training and stenography gives students practice and develops skill in taking and transcribing dictation; letter writing; accounting: setting up filing systems; use of all office machines; business law; telephone training: supervising typists and file clerks. Instruction will be given in office procedure and office management.

States and the second sec	tudy Areas
Laboratory Practice	Related Subjects
Typewriting Practice	Office Technique
Shorthand Dictation	Word Studies
Transcription	Business Mathematics
Bookkeeping	Business English
Business Mathemetics	Filing Systems
Filing	Personality Development
Dictaphone	Shorthand Theory
Mimeographing	Bookkeeping Theory
Office Machine Operation	Business Law
Machine Calculation	Office Machine Operation
Production (on-the-job-trainin	
Telephone Training	Letter Writing

e Machine Operation writing Principles Writing



CABINET MAKING 2880 Hours

This is one of the oldest and most well-established trades in this country. The cabinetmaker is a highly skilled craftsman: to become an expert he must spend a great deal of time both in a vocational school as a student and on the job as an apprentice.

The course covers the hand manipulations and machine processes necessary to cut, shape, assemble and prepare units. The student learns to make sketches, shop drawings, and to prepare quantitative take-offs of material for the fabrication of units. Also included are the types of lumber used in the trade, as well as the selection and matching of lumber. The trainee will learn the care and use of hand tools and machinery used in the trade. He will learn the proper preparation of wood surfaces for the application of various wood finishes.

Study Areas

Trade Practice

Preliminary Planning and Layout Preparation of Stock Joint Construction Assembly Finishing Grinding, Filing and Sharpening Sawing Drilling and Mortising Sanding Shaping Dovetailing

Related Subjects

Arithmetic Review Calculations of Areas, Cubical Contents, etc, Trade English and Vocabulary Drawing and Blueprint Reading Art in Design Finishing Materials—Abrasives Science of Wood Growth Health and Safety Basic Social Science and Trade History Business Management



2880 Hours

The greatly accelerated building program in the country, caused by the housing shortage, has created an ever expanding need for capable, well-trained rough and finish carpenters. In this field, as in others, the emphasis is placed upon the skillful worker; he must not only have the necessary manipulative skills, but he must also have the technical and theoretical knowledge behind the work.

The course is designed to develop skill on the part of the student in the fundamental operations of carpentry and woodworking, using both hand and machine tools. The course covers the layout and construction of forms; floor, stud and roof framing; and the application of siding. The student will learn to make doors, cabinets, and do interior finishing of buildings. Included are blueprint reading, estimating, and specification interpretation.

Trade Practice

Basic Wood Fabrication Foundation Form Work Wall and Floor Framing Roof Framing and Covering Stair Building Interior and Exterior Finishing Mill Work Safety Practices Care and Use of Hand and Power Tools Layout Estimating

Study Areas

Related Subjects

Trade Mathematics Growth of Woods Physics of Mechanics, Stress and Strain Trade English, Vocabulary, Expression Drawing and Blueprint Reading Basic Social Science Business Management Chemistry of Oxidation, Materials, Abrasives Insulation





COMMERCIAL ART 2880 Hours

Commercial art is a growing field, presenting ever increasing opportunities for adequately trained men and women who have creative and artistic ability.

Ours is one of the most complete and comprehensive art programs offered in the intermountain area. It provides six solid hours of art instruction daily, five days per week for two years, and embodies all the prescribed fundamentals. Included are: fundamental shading, line drawing, figure drawing, design, perspective, lettering and layout, color harmony, cartooning, and the uses of the various media. Special emphasis is placed on advertising layout and illustration for men and fashion illustration for women. The student is familiarized with all printing and engraving processes, and the use of the silk screen, the air brush and the cut awl.

Study Areas

Trade Practice

Lettering Layout Color Harmony Perspective Fundamental Shading Line Technique Reproduction Processes Figure Drawing Fashion Illustrating Design Illustrating

Cartooning

Related Subjects

Advertising English and Terminology Science of Advertising Ethics of Advertising Employer-Employee Relations Business Management Applied Mathematics History of Art Salesmanship in Art Fundamentals of Woodwork Drafting Industrial Design



COSMETOLOGY AND HAIR DRESSING 1500 Hours

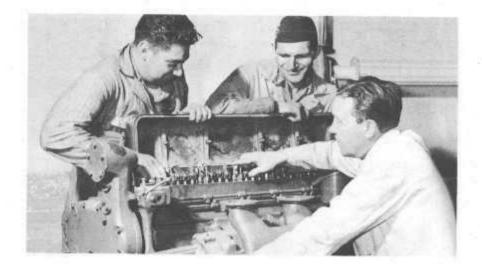
Cosmetology has developed into one of most popular of the service occupations for men and women. The instruction is designed to prepare the student for the State Board Examinations in beauty culture.

The course embodies instruction and practice in all phases of the work. Included are: shampooing; permanent waving; facial and scalp massage; manicuring; hair cutting, tinting, bleaching and styling: and shop management.

To the young woman or man choosing this occupation as a career. this course offers complete preparatory training. The school laboratory, facial rooms and class room make up one of the most modern. well-equipped units in the State of Utah. The student can gain an invaluable background in this field, preparing him or her for a secure, profitable lifetime vocation,

Laboratory Practice	Related Subjects
Permanent Waving	Hygiene and Personality
Hair Styling	Human Relations
Facials	Laws Affecting the Practice of
Scalp Treatments	Cosmetology
Manicuring	Sterilization and Sanitation
Hair Cutting	Electricity and Light Therapy
Hair Tinting and Bleaching	Chemistry as Applied to Cosme-
Shampooing	tics
Customer Relations	The Anatomy and Physiology of
Care and Use of Equipment	The Head, Face and Neck
Trade Ethics	The Skin and its Appendages
Trade Practices	Diseases of the Skin and Scalp

Study Areas



DIESEL MECHANICS 2880 Hours

The rapidly increasing use of diesel power in trucks, tractors, trains, marine equipment and the various types of stationary installations is creating ever growing opportunities for the individual who has the proper background, education and training in this field. Continuous advancements are being made in the field of diesel engineering. making it necessary that the successful serviceman have the latest possible information about this field.

This course provides both theoretical and practical training in the operation, maintenance, repair and servicing of diesel engines. Included are both two-stroke and the four-stroke cycle types of units. Instruction will outline combustion principles, fuel injection systems, lubrication and cooling systems, governors, superchargers, turbochargers, air filtration, the repair and maintenance of clutches, transmissions, final drives and truck and trailer chassis.

Study Areas

Trade Practice

Basic Metal Fabrication Cooling System and Maintenance

Complete Engine Block Assembly Repair and Maintenance Flywheel and Master Clutch

Transmission Repair and Maintenance

Steering Clutches

Final Drives

Welding, Brazing, Soldering

Basic Machine Work

Related Subjects

Basic Mathematics Trade English Shop Management Physics of Machines, Gases. Liquids, Electricity, Heat Chemistry of Fuels, Lubricants, Combustion Blueprint Reading Labor Relations Trade Ethics Care of Tools and Equipment Basic Social Science



ELECTRICITY - MOTORS, GENERATORS AND CONTROLS 2880 Hours

Electricity has made possible the overwhelming development of our large industries, manufacturing plants, transportation systems and communication systems. All society relies more and more upon the electrical trades for its existence.

The course provides an analysis of the basic principles of electricity as applied to electrical machinery and equipment. Repair and maintenance of motors and generators is offered in conjunction with the related technical information concerning the principles of construction, operation and control. Also included is a study of transformers, their application, maintenance and repair. Included will be control equipment and its application to motors, generators and transformers. Other phases of the work include blueprint reading, use and care of electrical instruments, shop practices, safety habits and code requirements.

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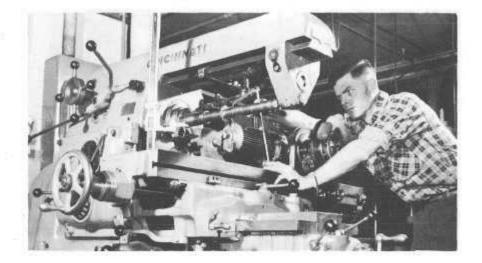
Trade Practice

Direct Current Windings Single Phase A.C. Windings Polyphase Windings Polyphase Connections Multi-Speed Machines Transformer Connections Use of Electrical Instruments D. C. Controls A. C. Controls Rectifiers Basic Electronic Controls Safety Practices

Study Areas

Related Subjects

Mathematics for Electricity Work Fundamentals of Electricity Direct Current Machines Alternating Current Machines Transformers Controllers Rectifiers Electrical Instruments Motor and Generator Windings Trouble Shooting Maintenance and Repair



MACHINE SHOP 2880 Hours

In the multitude of manufacturing plants in this country there is produced by machinery every conceivable type of product. Machinery and machine tools have made the nation the most prosperous in history. If we are going to continue to progress there will always be a need for skilled workmen.

Emphasis is placed on: The use of hand tools; correct set-up and operational procedures and techniques of the basic machine tools; accuracy of measurement; quality of finish; bench work; drill press work; grinders and grinding operations; and speed of performance.

All necessary related information is correlated with the basic operations. Included are calculations; blueprint reading; shop drawing and sketching: strength of materials, metals and alloys: heat treatment; design; safety rules and regulations; and labor relations.

Study Areas

Trade Practice Bench Work Trade Math. Power Saws Trade English and Vocabulary Drill Press Work History of Trade Tool Care and Accounting Chemistry of Metallurgy, Lubri-Lathe Work cants, Oxidation and Materials Milling Machine Work Physics of Machines, Heat, Lig-Blueprint Reading uids, Gases, Solids, Electri-Heat Treating city and Magnetism Care and Use of Machine Tools Health and Safety Shaper Work Community Relations Layout and Measurement Trade Algebra, Geometry and Grinders Trigonometry

Related Subjects



NURSING - PRACTICAL

Practical nursing is a well-paid, dignified lifetime vocation; moreover, it can make you a better and more successful wife and mother.

During the first four months the student will receive instruction and practice in the nursing of different age groups. Included as an integral part of the program is homemaking, which takes in meal planning, nutritional studies and budgeting.

The next phase of the program, six months, covers the care of medical, surgical, maternity, and pediatric patients in one of Salt Lake's general hospitals. During this time the school will pay the student an educational stipend to help defray the trainee's expenses. Following the hospital service, there is one month of vacation and one month of review study in preparation for the Utah State Licensing examination.

Study Areas

Lab. and Hospital Practice

Male Surgical Ward Female Surgical Ward Pediatric Ward Maternity Ward Nursery, New Born General Hospital Duties Home Nursing Care Occupational Therapy Male Medical Ward Female Medical Ward Diet Therapy Nursing Care Studies

Related Subjects

Care of Selected Diseases Body Structure Care of Children Maternity and Infant Care First Aid Home Management Nutrition Vocational Relationships Community Health Occupational Therapy Personal Hygiene Bedside Nursing Arts



RADIO AND ELECTRONICS 2880 Hours

The field of radio and electronics is one of the largest and most diversified areas in our modern industrial economy. This is a field in which a skilled, trained person can make good progress in one of its many branches. In industry the emphasis is placed even more on the need for highly skilled, well-trained technicians.

The objective of the course is to provide the student with theoretical information and practical skills sufficient to enable him to service radios, television equipment and electronic control devices. Complete laboratory facilities, equipped with modern testing and measuring equipment, permit ample practical experience to supplement the student's theoretical training. Basic electronics, test instruments, servicing techniques, trouble shooting, tubes and circuits, and circuit analysis are completely covered.

Study Areas

Trade Practice

Basic Shop Work

Construction of Electronic Devices

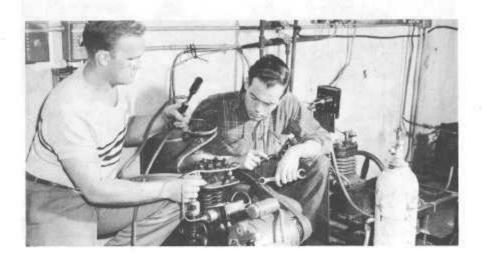
Experiments in Electronics

- Installation and Maintenance of Sound Systems
- Trouble Shooting and Repairing of Radio and Television Receivers

Construction and Operation of Electronic Control Systems Testing Equipment

Related Subjects

Types and Kinds of Circuits Arithmetic Review Mathematics Drawing and Blueprint Reading Physics of Radio and Electronic Devices Business Management Basic Social Science Trade Terminology Shop Safety Trade History Theory of Radio



2880 Hours

Modern commercial refrigeration units and home refrigerators safeguard the life and health of the people in the country by the preservation of food. They make it possible for us to store our perishable food supplies over extended periods. There is an ever growing need in business and industry for well-trained tradesmen to service and maintain these units.

In this course the student will be given training in installing, maintaining and servicing commercial refrigeration systems and domestic machines. Course content includes thorough study of basic and advanced theory of the physics of refrigeration and the application of these principles to actual shop experience. The student is given training and experience in calculating, designing and installing different types of commercial refrigerating systems.

Study Areas

Trade Practice

Fabrication of Copper Tubing Compressor Overhaul

- Installation, Operation and Maintenance of Simple Refrigerating Systems
- Installation, Operation and Maintenance of Multiple Refrigerating Systems
- Control and Motor Circuit Wir-
- Basic Electricity
- Summer Air Conditioning

Related Subjects

- Thermodynamics of the Refrigeration Cycle
- Thermostatic and Pressure Motor Controls

Properties of Air

- Load and Job Calculations
- Multiple Operation of Evaporators

Controls for Multiple Operation Electrical Circuits and Electrical Motors Health and Safety



SHEET METAL

2880 Hours

This course is designed to give the trainee experience in all phases of the sheet metal trade. The student learns all of the basic hand and machine operations involved in the trade.

The course includes a very complete investigation into the field of estimating and layout. The student learns to estimate both time and materials for complete jobs. Layout and preparation is another important phase of the training; the trainee will learn all necessary mathematical calculations involved in the trade. The proper care and use of hand tools as well as proper application of both hand and power shop equipment is covered. The student learns to operate such machines as the drift, hand and power breaks, crimper, and both hand and power shears.

Also included are drilling, riveting, soldering, welding and other fastening techniques.

Mathematics for Job Estimating Trade Terminology Drawing and Blueprint Reading Health and Safety Construction Principles Trade Practices Code Requirements Business operation Strength of Materials Air Conditioning Principles Duct Construction Specialty Work Maintenance of Power Tools and

Equipment Layout Hand Cutting Machine Cutting Drilling Riveting Soldering Welding Finishing Techniques Tool Maintenance Shop Management



TAILORING AND FASHION DESIGN 2880 Hours

Humanity, individually and as a group, is continually striving to better its living conditions and personal appearance. It is only logical that a highly specialized and diversified trade should be established for the business of clothing people.

The course will cover all of the fundamental practices used in the manufacture of outer garments. A study will be made of the various kinds, types and gualities of materials, designs and styles to fit varying individuals. The processes of measuring, cutting, fitting, hand and power sewing and pressing will be covered.

The student will learn to create designs and prepare patterns for new types and styles of women's wearing apparel. He will learn to write specifications for garments describing construction, color scheme and type of fabric to be used.

Study Areas

Trade Practice

Power Sewing Overedger Operation Embroidery Machines Buttonhole Machines Application of Design in Tailoring Pattern Making Alterations Hand Finishing Proper Pressing Garment Construction Production Techniques

Related Subjects

Color Harmony Arithmetic for Estimating Principles of Garment Making Tailoring Technology Fashion Designing Trade History Public and Personal Health Pattern Construction Tailoring Design Personality Development Shop Management Textile Preparation



WELDING, CUTTING AND METAL FABRICATION 2880 Hours

Welding has practically revolutionized manufacturing in many lines by making it possible to process and fabricate materials cheaply. Thousands of new jobs have been created by the welding process.

The course will cover all of the fundamental practices used in welding iron, steel, and non-ferrous metals; the inspection and testing of welds: the various kinds of equipment used for arc and acetylene welding: acetylene and arc cutting; materials, such as rods, electrodes, and fluxes: and the equipment for personal safety. Basic information in chemistry, metallurgy, the testing of hardness and temperature, and the reading and interpretation of blueprints and specifications will be correlated with the actual shop practice.

Study Areas

Trade Practice

Related Subjects

Oxy-acetylene Welding and Brazing	Arithmetic for Job Estimating Trade English and Expression
Arc Welding	Trade History and Community
Basic Metal Fabrication	Relations
Basic Heat Treating	Drawing and Blueprint Reading
Tool Maintenance and Shop	Shop and Busines Management
Management	Health and Safety
Construction Techniques	Chemistry of Oxidation and
Local Practices	Metallurgy
Inspection and Testing	Theory of Welding
Finishing Techniques	Stresses and Strains
Cutting	Chemistry and Metallurgy

1952 - 1953 EVENING SCHOOL CALENDAR

REGISTRATION

September 8 to September 12, 1952

FIRST TERM

September 15 to December 12, 1952

SECOND TERM

January 5 to March 31, 1953

HOLIDAYS

Thanksgiving - November 27, 28

Christmas - December 15 to January 4

REGISTRATION

Students may register and begin work at any time during the school year. It is preferable, however, to register at the beginning of the school year, or at the time a particular class starts. Announcement will be made of the starting date of each course which begins after the regular registration dates.

FEES

For courses not in excess of six clock hours per week, the fees are as follows:

Registration for school year..... \$3.00

Tuition per quarter (3 months) 9.00

(Special fees, where required, are listed under the course description.) All fees are payable quarterly and are to be paid in advance.

REFUNDS

In the event of official withdrawal, only tuition fees will be refunded on a pro-rated basis.

RECORDS

Permanent records of students' attendance and achievement are kept in the school office and may be obtained for reference, or school admission purposes by the student at any time.

ATTENDANCE

A check is kept on attendance of all students. Continuation of school is dependent upon regular attendance and serious attention to work. Students are requested to call 3-4594 and report unavoidable absences so they will not be withdrawn from class.

WHO IS ELIGIBLE TO ATTEND

Since courses are offered without reference to college credit, the school is open to any serious individual over 16 years of age who can profit from the instruction offered. Apprentices and on-the-job trainees are required to attend related instruction in their respective trades when classes are offered.

WHY ATTEND EVENING SCHOOL

The education process is not complete when one receives a high school or college diploma. Neither does a journeyman's card mean that a man can cease to put forth efforts to remain abreast of his trade. Education is a continuous, lifelong process. Although there are many roads to knowledge, schooling is perhaps the easiest and most direct.

People may wish to enroll in evening school for many reasons. Some may desire to acquire information which will help them to become better tradesmen. Others may wish to refresh themselves in new industrial developments. Still others may be interested in acquiring deeper understandings of labor and management, while all may enjoy the personal satisfaction of developing a vocational interest and finding new uses for leisure.

WHAT TYPES OF COURSES ARE OFFERED

The needs of people are varied, and in order to deal with the many requirements encountered, the Salt Lake Area Vocational School offers the following types of courses:

Apprentice Training Courses

Apprentice Training courses supply the related instruction necessary to complement daily on-the-job experience of the apprentice or trainee. Many industries have found that the best way of meeting the demand for skilled workers is to organize an apprenticeship program. Thus the young worker can be assisted in gaining a well rounded knowledge of his trade through onthe-job experiences and related vocational instruction in the classroom. To assure a training program which will give proper emphasis to all aspects of the trade, the apprentice and his employer are signed to an agreement administered by the State Apprenticeship Council, the agency authorized to administer the apprenticeship law. This agreement defines the period of apprenticeship, the wages to be paid, the kinds of work, the apprentice is to do, the training obligation of the employer, the time to be spent in a vocational school studying subjects bearing upon his occupational training, and any other conditions that the contracting parties agree upon as part of the contract.

The Salt Lake Area Vocational School recognizes the need for, and diligently endeavors to promote, high standards of apprentice training. Every effort is made to adjust related instruction to supplement job experiences

Trade Extension Courses

Trade Extension courses provide journeymen and apprentices an opportunity to upgrade skills and knowledge in their trades. As the techniques and processes of industry undergo constant refinement and improvements, there arises a constant need for skilled workers to refresh and extend their knowledge. Trade extension courses are intended to assist the skilled worker in remaining abreast of new developments.

Supervision and Management Courses

Supervision and Management courses assist foremen, supervisors and executives (and those preparing for such positions) to keep abreast of new techniques, developments and improved methods in dealing with the complex problems of business and industrial supervision and management.

The human element is a tremendously significant factor in the efficient operation of industry. Study of relationship among employees and attention to techniques of doing work have resulted in improved methods of managing people and improved ways of doing jobs.

Some of the courses which may be offered on a conference basis are as follows:

THE SUPERVISOR AS AN INSTRUCTOR

IMPROVEMENT OF JOB METHODS

ORGANIZATION AND MANAGEMENT OF PRODUCTION

PROBLEMS OF HANDLING PEOPLE

THE SUPERVISORS PART IN SAFETY

HUMAN RELATIONS IN INDUSTRY --- EMPLOYER RELATIONS

General Industrial Courses

Improving knowledge of industrial arts and offering an avocational outlet for creative talents is the objective of these programs. People are constantly faced with the problem of executing and completing tasks for which they are not specifically prepared. Thus, efforts to extend the field of knowledge may be rewarded by greater job competence and greater ability to profit from leisure.

COURSE DESCRIPTIONS

Auto Body

These courses provide related training for the auto body trade. They include study in tools and equipment, basic acetylene welding, auto body metal repair, roof and body alignment, trim and glass repair, refinishing, estimating, safety, and business methods and practices. Shop work is coordinated with the theory of the course.

Auto Mechanics

Auto mechanics courses provide related training for the automotive repair trade. They include technical information and theory related to automotive repair operations, repairs of frame, steering, front suspension, brakes, selective transmissions, final drives and axles, cooling systems, engines, carburetors, electrical systems, fuels and fuel systems, springs and shock absorbers, propeller shafts, universal joints, clutches, etc.

Blueprint Reading

Blueprints are used in nearly every trade and industry, making the ability to read blueprints a necessity. This course is designed to develop the necessary skill in visualization plus a thorough understanding of the symbols and other representations which commonly appear on blueprints.

Business

This course is designed primarily to develop greater efficiency, skill and competence. Instruction includes beginning typewriting, refresher and advanced typewriting, general office machines, beginning shorthand, refresher and advanced shorthand and instruction in the use of the comptometer calculator.

Cabinet Making

This is a course of related instruction for apprentices and tradesmen which includes instruction in shop drawings, shop mathematics, safety, lay-out, industrial economics, hand and machine tools, shop methods, techniques, and construction problems, estimating, materials, and labor and management relations.

Carpentry

Related instruction for carpentry apprenctices includes industrial and labor relations, mathematics, and blueprint reading, foundations and form construction, framing, roof framing, exterior covering and finishing, interior finish, stairbuilding, concrete construction, plans and building procedures, special uses of concrete, heavy timber construction.

Commercial Art

This course covers all fundamentals including shading, perspective, lettering, layout, line drawing, design, color harmony and portraiture.

The student is taught to create figures for advertising copy, and how to illustrate for posters, magazines and newspapers. A special feature for women is our course in fashion drawing.

Diesel Mechanics

This evening extension class is intended to aid workers employed in the diesel field. Course includes technical information and theory related to diesel operations and repairs such as cooling, lubrication, fuel and injection systems, engine block, flywheel and master clutch, transmission, steering, clutches, final drives, fundamentals of operation, maintenance of diesel electric installations, and trade mathematics and English.

Drafting

The drafting course for apprentices and tradesmen includes trade theory, working drawing, detailing, design, three dimensional sketching, perspective and isometric drawing, descriptive geometry and drafting room practice.

Electricity

This program for apprentices and tradesmen includes technical information and theory related to electricity, blueprint reading, safety, mathematics, principles of motors, generators, transformers, electric wiring, distribution systems, industrial electronics, Electrical maintenance and repair, and industrial and labor relations.

Iron Working

Related training for iron working apprentices and tradesmen includes technical information and theory related to the iron workers industry, such as blueprint reading and interpretation, mathematics, safety, trade theory and science, layout, assembly and fabrication, the steel square, etc.

Machine Shop

This course for apprentices and tradesmen includes the technical information and theory related to machinists on-the-job operations, blueprint reading and drawing, mathematics, safety, machine shop tools, machinery toolmaking applications, heat treatment of steels, layout and fabrication, general machine shop theory and science.

Painting and Decorating

Painting and decorating for apprentices and tradesmen includes technical information and theory related to the painting and decorating trade, blueprint reading, mathematics and estimating, safety, trade theory and science, tools and equipment of the trade, industrial and labor relations, color harmony, chemistry of paints, etc.

Plumbing

This program for apprentices and tradesmen includes technical information and theory related to the plumbing trade, including mathematics and estimating, blueprint reading and drawing, plan reading and specifications for the plumbing trade, plumbing materials, venting, organization of the industry. In fifth year class, apprentices will be given joint wiping and lead work.

Radio and Television

The radio and television program consists of technical information and theory related to radio and TV repair, including basic electronic concepts such as Ohm's law, continuity testing, radio wave propagation, general radio and TV servicing techniques; television theory such as modern TV receivers, picture tube, tuners and sound systems.

Refrigeration

This is a program for apprentices and tradesmen. Content includes blueprint reading, refrigeration trade mathematics, job estimating, refrigeration chemistry, materials and tools, refrigeration repair problems, tube work fundamentals, basic refrigeration electricity, trade economics, and special refrigeration safety factors.

Sheet Metal

Related training for sheet metal workers includes mathematics for sheet metal workers, geometrical drawings, practical projection, pattern development, ventilation layout, parallel line layout, radial lines, triangulation and short methods; tools, machines, and materials used in sheet metal work; theory of sheet metal welding.

Sign Painting

Sign painting is a theory and working program which includes lettering and spacing, copy arrangement and layout, pictorial practice, color theory, tools — their selection, care and use, materials, surfaces, sketches and blueprints, pattern making, mathematics for the sign man, sign ordinances, safety, industrial and labor relations, and types of sign painting and procedures.

Supervision and Management Courses

The supervisor as an instructor Improvement of job methods Organization and management of production Problems of handling people

Troblems of initialing people

The supervisor's part in safety

Human relations in industry

Tailoring

This course includes clothing design, fabric selection and tailoring methods. The theory of pattern selection and drafting, fabric construction and basic sewing techniques for achieving the professional look are discussed. Laboratory work includes power machine operation, fitting and alteration, and application of tailoring techniques.

Upholstering

Instruction for the upholstery trade includes designing of furniture, construction of frames, remodeling furniture, fabrics—their identification and uses, buying, window display, wood finishing, power sewing, slip cover fabrication, interior decorating, salesmanship, mathematics and safety practices.

Welding

The courses consist of related information and correlated shop practice. Basic programs take up theory and related information necessary to carry out a shop program consisting of practice in welding all types of joints in all positions with coated all-position electrodes on mild steel plates, and oxyacetylene welding. Advanced work involves review of basic work, theory and related information as well as demonstrations and limited practice in the following specialty welding:

> Cast iron Inert arc welding Stainless steel Hard surfacing Lead burning Shaft rebuilding Pipe welding Silver brazing Aluminum

A special fee of \$7.50 per quarter is charged all students for welding supplies and material furnished by the school.

Other Classes

Classes may be initiated at any time during the school year. Any time that the needs of industry assure a continuous enrollment of eight or more students, a class will be organized to fulfill the need.

Minimum Enrollment

It is not feasible to operate a course with fewer than eight registrants. When it is impossible to maintain a sufficient enrollment, classes are discontinued.

