

90
V872
1983

A COUNSELOR'S GUIDE TO APPRENTICE TRAINING

Saul Cooperman
Commissioner of Education

Prepared under the direction of the
Bureau of Occupational Programs
Division of Vocational Education
and Career Preparation

Peter B. Contini
Acting Assistant Commissioner

Joan Birchenall
Director, Bureau of Occupational Programs

Compiled by Patricia Peacock
Edited by Sally Ann Boccippio

New Jersey State Department of Education
225 West State Street
Trenton, New Jersey 08625

Spring, 1983
Reprint from Summer, 1982

PTM No. 300.17

STATE BOARD OF EDUCATION

- S. DAVID BRANDT.....Cherry Hill
President
- ROBERT J. WOLFENBARGER.....Summit
Vice President
- JACK BAGAN.....Salem
- BETTY DEAN.....East Orange
- MATEO F. DeCARDENAS.....Union City
- ANNE S. DILLMAN.....Perth Amboy
- JAMES JONES.....Teaneck
- JOHN T. KLAGHOLZ.....Seaside Park
- RUTH H. MANCUSO.....Glassboro
- GUSTAVO A. MELLANDER.....Wayne
- P. PAUL RICCI.....Vineland
- SONIA B. RUBY.....Atlantic City
- DEBORAH P. WOLFE.....Cranford
(Representing State Board of Higher Education)

Secretary
SAUL COOPERMAN
Commissioner of Education

Ex Officio
T. EDWARD HOLLANDER
Chancellor of Higher Education

It is a policy of the State Board of Education and the New Jersey Department of Education that no person, on the basis of race, color, creed, national origin, age, sex, handicap or marital status, shall be subjected to discrimination in employment or be excluded from or denied benefits of any activity, program or service for which the Department has responsibility. The Department will comply with all state and federal laws and regulations concerning non-discrimination.

FOREWORD

The role of the guidance counselor today has broadened. No longer can we hold to the criteria of the 1970s, when counselor competency was determined primarily by the number of students helped to enter colleges, along with the quality and academic reputation of those colleges.

Today, with increasing frequency, we are reminded that a college degree does not guarantee job security. In fact, the National Center for Education predicts that during the 1980s only one out of five job openings will require a college degree. There is no question that industry in this rapidly expanding technological age is not only looking for scientists and engineers, but also looking for highly trained craftspersons, tradespersons and technicians to transform the ideas of these scientists and engineers into finished products.

A counselor's work effort, therefore, must not focus solely on collegiate placement. Emphasis in the 1980s should be on promoting opportunities to learn about the new and emerging occupations of the future, occupations that will be spurred on by advancing technology, increased mechanization and dwindling economic resources.

"A Counselor's Guide to Apprentice Training" is a publication of the New Jersey State Department of Education, Division of Vocational Education and Career Preparation, prepared in cooperation with the New Jersey Department of Labor, Division of Employment Services. The guide is intended for use by those counselors who are eager to learn more about promoting alternate training opportunities. Apprentice training represents one such opportunity, which not only can satisfy the needs of industry in our state for highly trained craftspersons, tradespersons and technicians, but also can give our residents (based on an average pay increase of 10 percent per year) an opportunity to earn more than one million dollars in 30 years.

This publication will not provide all the answers to all potential questions about apprentice training. Combined, however, with the skill and assistance of dedicated guidance counselors, it will help educational institutions throughout the state meet their changing guidance responsibilities. We are grateful to the many persons who contributed to this important effort.

William Wenzel, Ed.D.
Assistant Commissioner of Education
Division of Vocational Education
and Career Preparation
June 1, 1982

TABLE OF CONTENTS

	Page
FOREWORD	iii
PART I: APPRENTICESHIP: YESTERDAY AND TODAY.	1
Background	2
An Overview of Apprenticeship Today	3
Benefits of Apprentice Training	3
PART II: PRACTICAL ASPECTS OF APPRENTICE TRAINING IN NEW JERSEY	5
How Apprentice Training Programs Operate.	6
General Entrance Requirements	8
PART III: ASSISTING STUDENTS IN OBTAINING APPRENTICESHIPS	11
Step 1: Identifying Potential Candidates	12
Step 2: Selecting an Occupation	12
Step 3: Identifying an Occupation as Apprenticeable.	12
Step 4: Determining Student Qualifications	12
Step 5: Determining Job Suitability	13
Step 6: Searching for the Job.	13
Step 7: Making the Final Commitment	13
Documents Needed for Apprenticeship Registration.	13
PART IV: HELP WHEN IT'S NEEDED	15
Cooperative Vocational Education Coordinators	16
Apprentice Coordinator Offices.	16
Bureau of Apprenticeship and Training	19
The Division of Vocational Education and Career Preparation	20
New Jersey Job Service.	20
Local Labor Unions and Trade Associations	22
Publications	22
APPENDIX	24
Occupations Recognized as Apprenticeable by the BAT	25
Certificate of Approval for Apprentice Training	40
Certificate of Completion of Apprenticeship	40
Apprentice Registration Card.	41

PART I

APPRENTICESHIP: YESTERDAY AND TODAY

APPRENTICESHIP: YESTERDAY AND TODAY

In recent years it has become a painful economic reality that high school graduates with no specific career or trade preparation swell the ranks of the youthful unemployed. However, there is a seldom considered option available--apprentice training--which can strengthen the high school graduate's possibility of job success. As a high school counselor, you form an integral link between such training and the vocationally oriented student.

No one can promote any career training without first having a basic knowledge of what that training encompasses and what it can do to assist persons in pursuing their employment goals.

The general purpose of this part of the guide is to provide those responsible for supporting the guidance effort of youth with some basic information about apprentice training, including: background which cites historical information leading to the development of apprentice training as we know it today; an overview of apprenticeship today; and the benefits offered to those who choose to avail themselves of this type of training opportunity.

Background

Apprenticeship is a custom that goes back to antiquity when fathers handed down to their sons craft skills along with tribal lore. As far back as the Code of Hammurabi, there is evidence of the legal regulation of apprentices. Later, as economic life became more complex and jobs became more specialized, the practice of indenturing youths to craftspersons began. Increased specialization also fostered the banding together of craftspersons into guilds, a practice in which modern trade unions find their roots.

During the Middle Ages, the control of apprenticeship gradually passed from the guilds to the State, and in 1562 the first public apprenticeship law was enacted in England. In America, the apprenticeship system began when children from England were indentured to the early settlers in the manner of the English guilds. Under the law, the master was required to teach the apprentice reading, writing and arithmetic, as well as the skills of a trade. For young people who could not afford to attend the private schools of the period, apprenticeship was the primary way to obtain a formal education.

The Industrial Revolution of the 19th Century caused the manual crafts to decline in prominence and largely destroyed the personal relationship between master and apprentice in some trade areas. In 1937, the 75th Congress enacted the Fitzgerald Act. This act established the Federal Bureau of Apprenticeship and Training and gave to the U.S. Secretary of Labor the responsibility of formulating and promoting labor standards necessary to safeguard the welfare of apprentices.

An Overview of Apprenticeship Today

Today's highly organized system of apprenticeship has been in operation since 1937. This system uses on-the-job training and related theory instruction to help a worker learn a skilled craft, trade or technological occupation.

There are over 900 identified apprenticeable occupations at present with new ones being added as the need arises. They range from the age-old occupations such as horseshoer to the contemporary such as cable splicer, and from the familiar such as carpenter to the obscure such as orthotics technician.

No matter what the occupation, the federal government has established minimum basic training standards to enable an apprentice to develop the highest degree of skill possible and to protect the apprentice as an employed worker. Such standards include: a formally approved, written agreement between sponsor and apprentice to learn a single, specific occupation; closely supervised on-the-job training; a specified number of hours of related instruction; a specified time period for completion of training; a specified range of skill achievement; and a graduated wage schedule based on training progress.

The federal government also has established regulations on non-discrimination in apprentice training programs, and each state now has an equal opportunity plan consistent with these regulations in order to encourage entrance of women, minorities and handicapped persons into apprentice training programs.

While some progress has been made in the last two decades, many individuals, especially women, still do not consider the apprenticeship route. At present, out of 11,780 registered apprentices in New Jersey, only 290, or not quite 2.5 percent, are women. One reason for the failure of many women to investigate this type of training opportunity is the misconception that apprenticeships are limited to the construction trades. It is important that you, as counselor, inform female students about the wide range of apprenticeship opportunities, especially those in emerging fields such as electronics and energy.

Benefits of Apprentice Training

These days, when unemployment soars in a highly competitive job market and even qualified persons are frustrated by not being able to find suitable jobs, apprentice training offers gainful employment. And there is more.

Because of the regulated components of apprentice training programs, a young worker is offered an orderly way to be introduced to a job, to adjust to work, to be taught by both skilled journeypersons and certificated instructors, to use tools, machines, instruments and methods currently in use in a specific occupation, to learn while earning and to steadily advance in both skills and earnings.

Knowledge of these benefits is essential to recruiting high school students into apprentice training programs. It is your job as counselor to relay these benefits to those students who have an interest in pursuing a career in a skilled craft, trade or technological occupation.

PART II

PRACTICAL ASPECTS OF APPRENTICE TRAINING IN NEW JERSEY

PRACTICAL ASPECTS OF APPRENTICE TRAINING IN NEW JERSEY

Now that you have a general understanding of apprenticeship and its many benefits, you are ready to proceed to a more specific understanding of the practical aspects of apprentice training in New Jersey.

The primary purpose of this part of the guide, therefore, will be to provide you with a detailed operational description of New Jersey's apprentice training programs. Information on the minimum standards which must be met for admittance into such programs is also included in this section.

How Apprentice Training Programs Operate

In New Jersey apprentice training programs operate under the auspices of the Bureau of Apprenticeship and Training (BAT), an agency of the United States Department of Labor, and the Division of Vocational Education and Career Preparation (DVECP), an agency of the New Jersey State Department of Education. The BAT registers all of New Jersey's apprentice training programs, while the DVECP approves the related curriculum which comprises individual programs. Those who train under apprenticeships, therefore, are dual participants in the National Apprenticeship Training Program and the New Jersey Apprenticeship Training Program.

Actual training is carried out by a "sponsor," in accordance with standards jointly developed by the sponsor and designated representatives from the BAT and DVECP. In lay terms, a sponsor is an employer and may be organized labor, a corporation or large company, or an individual small employer.

Before training starts, both apprentice and sponsor sign a written agreement which provides that the training and experience received be in accordance with both federal and state standards of apprenticeship (see following page). Completion and filing of this agreement is aided by either the county or local apprentice coordinator, employed by a public school district, or a local area training representative from the BAT.

Shortly thereafter, the employer will receive a "Certificate of Approval for Apprentice Training," which approves the employer as a recognized sponsor of apprentice training, and the employee will receive an "Apprentice Training Card," which identifies the individual as a bona fide apprentice with all accompanying rights and privileges (see Appendix). Both employer and employee will also receive a copy of the signed, formal agreement along with a "Work Process," which is the apprentice's training program outlined in general terms. A sample "Work Process" is provided at the end of this section.

The training period for programs registered in New Jersey is not less than 2,000 hours nor more than 10,000 hours, with the average program running between 6,000 to 8,000 hours. Apprentice training programs are comprised of both on-the-job training and related theory instruction. The importance of related instruction cannot be overemphasized, since it is through a carefully planned combination of on-the-job training and related theory instruction that a person becomes a master craftsperson, tradesperson or technician.

UNITED STATES DEPARTMENT OF LABOR
 BUREAU OF APPRENTICESHIP AND TRAINING
 ROOM 838-970 BROAD STREET
 NEWARK, NEW JERSEY 07102

- New Program
- Reg.
- Rev.

- Vet
- Non Vet
- Student-Learner

STATE OF NEW JERSEY
 DEPARTMENT OF EDUCATION
 DIVISION OF VOCATIONAL EDUCATION
 AND CAREER PREPARATION
 225 WEST STATE STREET
 TRENTON, NEW JERSEY 08625

APPRENTICESHIP STANDARDS/APPRENTICESHIP AGREEMENT JOINT APPROVAL

WORK PROCESSES MUST BE ATTACHED AS REQUIRED

PRIVACY ACT STATEMENT: The information requested herein is used for apprenticeship program statistical purposes and may not be otherwise disclosed without the express permission of the undersigned apprentice. Privacy Act of 1974 - L.L. 93-579, NJAC 6-3-20.

1. Social Security No.		2. Name LAST FIRST			
3. Street Address		4. City		5. State	6. Zip Code
7. App. Municipal Code	8. Sex	9. Ethnic Group	W=White AA=Amer. Indian/Alaskan B=Black AP=Asian/Pacific Isle H=Hispanic		Telephone
10. Vet. Status Y/N	11. Military Def. Status Y/N	12. Econ-Disadvantaged Y/N	Date of Birth		Month / Day / Year
13. D.O.T. Code		14. Trade Occ. Title			
14A. Date Registered		15. Federal Registration No.		I have read and understand the conditions of the apprenticeship standards/apprenticeship agreement.	

The apprenticeship standards referred to herein are hereby incorporated in and made a part of this agreement.

16. Union Affiliated Y/N	17. Sponsor Employer Name		County	
18. Street Address		19. _____		
20. State	21. Zip Code	Telephone Number	Total Employees	
22. Empl. Municipal Code	23. S.I.C. Code Industry Type	Program (Months)	25. Date Appren-tice Began	
26. Prior Credit Empl. Relat. (Training)	28. Public Vocational School Related Training		Y/N	

Number of Journeyworkers _____ Ratio _____ of _____ Journeyworkers Job Site Work Force Department Plant

Authorizing _____

Wage Schedule (Construction wages must be expressed in percentage of journeyworker rate)

1st period \$ _____ or _____ % per _____	8th period \$ _____ or _____ % per _____
2nd period \$ _____ or _____ % per _____	9th period \$ _____ or _____ % per _____
3rd period \$ _____ or _____ % per _____	10th period \$ _____ or _____ % per _____
4th period \$ _____ or _____ % per _____	

Based on journeyworker rate of \$ _____ for a standard work week of _____ hours. Rate of Overtime _____ Probationary period _____ months

I have read and understand the conditions of the apprenticeship standards/apprenticeship agreement.

Name and Title of Sponsor's Authorized Official (Print)	Signature	Date
_____	_____	_____
If Bargaining Agency (Print Name, Local Number)	Signature	Date
_____	_____	_____

Provision for related instructions _____

Federal Representative _____ Date _____ Registered with the Bureau of Apprenticeship and Training, United States Department of Labor, as incorporating the basic standards recommended by the Federal Committee of Apprenticeship. Registered By: _____ Date _____ Bureau of Apprenticeship and Training United States Department of Labor	State Representative _____ Date _____ Approved by the New Jersey Department of Education, Division of Vocational Education and Career Preparation as incorporating the basic standards set forth in the State Plan for Vocational Education and Career Preparation. Approved By: _____ Date _____ New Jersey Department of Education Division of Vocational Education and Career Preparation
--	--

Distr: Sponsor Apprentice State BAT-Nwk BAT-Fd Coord BAT-Reg Linkage

STATE USE:	36. Apprenticeship Approver Co. L.E.A.	37. School Training Site Co. L.E.A.	38. Coop. Program Co. L.E.A.	39. Cooperative Linkage	Y/N
-------------------	--	-------------------------------------	------------------------------	-------------------------	-----

Co-op Teacher Coordinator _____ Date _____

20. THE APPRENTICE AND APPRENTICESHIP AGREEMENT

An "apprentice" shall mean an employee of legal working age who meets the qualifications established by the sponsor (age, education, physical, residency requirements, etc., shall be attached if applicable), and who is employed under a written agreement which provides that training and experience received be in accordance with these Standards of Apprenticeship. The apprentice shall be registered with the Bureau of Apprenticeship and Training, U.S. Department of Labor and approved by the Division of Vocational Education and Career Preparation, New Jersey Department of Education, referred to hereafter as the Joint Agencies, as an apprentice and using the approved apprenticeship agreement form for these registrations. The apprentice agreement shall be signed by the sponsor, the apprentice and if the apprentice is a minor, by his parent or guardian.

21. EQUAL OPPORTUNITY PLEDGE

The recruitment, selection, employment and training of apprentices during their apprenticeship, shall be without discrimination because of race, color, religion, national origin, or sex. The sponsor will take affirmative action to provide equal opportunity in apprenticeship and will operate the apprenticeship program as required under Title 29 CFR, Part 30, as amended. Selection Procedures and Affirmative Action Plan attached, if applicable.

21.(a) Apprentices will be accorded equal opportunity in all phases of apprenticeship as stated above.

22. TERM OF APPRENTICESHIP; PROBATION PERIOD, CANCELLATION, WORK EXPERIENCE, WAGE SCHEDULE; LAYOFF; RATIO; ETC.

The term of apprenticeship shall be as stated on the attached trade schedule(s). Either party or agency may cancel the apprenticeship agreement by notifying the others. During the probationary period the apprenticeship agreement may be cancelled by either party without stated cause. After the probationary period, the agreement may be suspended or cancelled by sponsor for cause, or at the request of the apprentice. The registration and approval agencies and apprentice shall be notified in writing of all suspensions, cancellations, terminations, and completions of apprenticeship together, with reasons applicable. When conditions make it necessary, every attempt will be made to have apprentices laid off in the commensurate ratio of apprentices to skilled workers (journeypersons) in the craft. Any apprentice laid off under this section shall be given the opportunity to be re-employed before any new apprentices shall be employed. When the employer is unable to fulfill his obligation under the apprenticeship agreement the transfer of the employer's training obligation should be made to another employer under the same program with the consent of the apprentice and apprenticeship committee or program sponsor. The ratio of apprentices to journeypersons is determined by the sponsor in consultation with the Bureau of Apprenticeship and Training consistent with the proper supervision, training and continuation of employment. The entry wages of the progressively increasing schedule of wages shall not be less than the Federal or State minimum wage unless a higher wage is required by a collective bargaining agreement.

23. SUPERVISION OF APPRENTICES

The sponsor shall designate a qualified person who will be responsible for the supervision and training of apprentices in accordance with the attached work schedule. Adequate records shall be kept by the sponsor indicating the apprentice's progress as well as current status in the training program by conducting periodic reviews and evaluations in both on-the-job and related instruction.

24. DUTIES OF THE JOINT AGENCIES

The sponsor and apprentice may consult with the representatives of the Bureau of Apprenticeship and Training or the Division of Vocational Education and Career Preparation concerning interpretations of the provisions of these standards.

25. WORKING CONDITIONS

The sponsor agrees to familiarize himself with Federal, State and local laws or regulations which may affect the employment of apprentices under this agreement. Except for related instruction, the workday and workweek should be the same as that of the journeypersons in the trade.

26. RELATED INSTRUCTION

Supplemental related instruction is recognized as necessary to the development of competent journeypersons. The New Jersey State Department of Education, Division of Vocational Education and Career Preparation has the primary responsibility for providing and approving related instruction. This instruction constitutes a minimum of 144 hours for each year of apprenticeship. Exceptions must be approved by the Joint Agencies. Related instruction curriculums are on file.

27. CREDIT FOR PREVIOUS EXPERIENCE

The sponsor may give credit for previous trade experience. Commensurate wage rates shall reflect any advancement of credit. Related instruction credit will be evaluated by the New Jersey Department of Education, Division of Vocational Education and Career Preparation.

28. SAFETY PROVISIONS

Adequate and safe equipment and facilities for training and supervision, and safety training for apprentices on the job and in related instruction shall be furnished.

29. CERTIFICATE OF COMPLETION OF APPRENTICESHIP

Upon completion of apprenticeship, the sponsor will recommend that a Certificate of Completion of Apprenticeship be awarded to the apprentice. The Joint Agencies must verify completion of both parts of training prior to issuance of a Certificate of Completion, by the U.S. Department of Labor, Bureau of Apprenticeship and Training, and the New Jersey Department of Education, Division of Vocational Education and Career Preparation.

30. MODIFICATION OF STANDARDS

Any modification or changes in these standards will be submitted promptly to the Bureau of Apprenticeship and Training for approval of such modification or change. Apprentices employed before such modification shall not be affected without their consent.

31. ADJUSTMENT OF DIFFERENCES

In the event that differences arise as to the interpretation of these standards or the apprenticeship agreement which cannot be satisfactorily settled by the apprentice and the program sponsor, either party may request the advice and assistance of the Bureau of Apprenticeship and Training and/or the Division of Vocational Education and Career Preparation.

32. MAINTENANCE OF RECORDS

All apprenticeship records shall be maintained as required by the Bureau of Apprenticeship and Training or the Division of Vocational Education and Career Preparation, and other applicable laws.

33. MINIMUM QUALIFICATIONS

Minimum qualifications required by Sponsor for persons entering the apprenticeship program will be listed on attached sheet and may include age, education, physical status and residency.

34. Nothing in these standards shall be interpreted as being contrary to the present or subsequent bargaining agreement between an employer or union.

35. DEREGISTRATION

Deregistration of a program may be effected upon the voluntary action of the sponsor, by a request for cancellation of the registration, or upon reasonable cause, by the U.S. Department of Labor, Bureau of Apprenticeship and Training instituting formal deregistration proceedings as prescribed by Title 29 CFR 29.

Each day, on the job, an apprentice learns the practice of his/her occupation under the supervision of a skilled craftsperson, tradesperson or technician.

For a specified period each week, the apprentice receives a thorough understanding of the theoretical aspects of his or her work through related instruction. A minimum of 144 hours of such instruction for each year of an apprentice training program is required. This instruction is most frequently organized into three-hour periods, twice a week, during a 26-week school year. Related instruction is generally provided through a public school vocational program. In areas where there is no vocational program, instruction may be provided either in the local high school, or through a technical school, community college, in-plant training station or state-approved correspondence school. Adequate and safe equipment and facilities are furnished, and safety training for apprentices on the job and in related instruction is provided.

Detailed study and work records are kept, and the training progress of the apprentice is evaluated frequently.

Apprentice pay starts at a percentage of the skilled craftsperson's, tradesperson's or technician's pay, which cannot be less than minimum wage. Increases, commensurate with increased knowledge and ability, are received at regular intervals.

A probation period is part of all apprentice training programs. During the probation period, which usually runs between 30 days and six months, the apprenticeship agreement may be cancelled by either apprentice or sponsor without stated cause. After the probation period, the agreement may be cancelled by the sponsor for cause, or at the request of the apprentice.

Upon successful completion of the on-the-job training and related theory instruction, an apprentice is eligible to file for a "Certificate of Completion of Apprenticeship" from both the U.S. Department of Labor, Bureau of Apprenticeship and Training, and the New Jersey State Department of Education, Division of Vocational Education and Career Preparation (see Appendix). This certificate is granted only after both agencies verify that the training has been carried out in accordance with standards set forth in the apprenticeship agreement.

In addition to receiving a "Certificate of Completion of Apprenticeship," an apprentice may be eligible to receive between 24 and 32 hours of college credit upon completion of the training program. Such credit is available by evaluation through Thomas A. Edison College, New Jersey's college of external degree programs.

General Entrance Requirements

Requirements for entrance into an apprentice training program vary somewhat from sponsor to sponsor and from occupation to occupation. Generally, however, a potential candidate must meet the following minimum standards before being considered for an apprentice training slot:

Age:

- Attainment of the minimum legal working age, which is 16 for non-hazardous occupations and 18 for hazardous occupations.

Education:

- A high school diploma or its equivalency. Some sponsors waive this requirement.

Aptitude:

- Aptitude appropriate to the occupation. Aptitude tests are sometimes administered, especially for those programs sponsored by organized labor, to measure a person's capacity to acquire proficiency with training.

Manual Dexterity:

- At least ordinary manual dexterity. Tests to determine manual dexterity are sometimes administered, especially for those programs involving the construction trades, since an apprentice must work with both hands and head.

Health:

- The ability to accomplish the physical requirements of the craft, trade or technological occupation. Exams are sometimes given to determine an applicant's physical condition.

Attitude:

- A willingness to abide by the rules and regulations of the sponsor. Interviews are usually given to determine an applicant's attitude.

Other:

- Probationary and/or other preliminary employment requirements. Corporate-sponsored programs often set such requirements.

It should be noted that both the age requirement and the education requirement may be waived for students enrolled in approved cooperative vocational education programs. Qualified cooperative vocational education students may register in apprentice training programs prior to high school completion and prior to reaching the age of 18 through the School-to-Work Linkage Project, a program operated through the Division of Vocational Education and Career Preparation (see Part IV of this guide).

SAMPLE WORK PROCESS

BAKER
D.O.T. 526.381-010

	<u>Approx. Hours</u>
1. Cleaning and greasing pans, caring for machinery, cleaning utensils and room, personal cleanliness;	200
2. Handling, racking, filling, icing - doughnuts breads, cakes, coffee cakes, eclairs, cookies, cupcakes;	500
3. Mixing, making up, punching and picking out doughs, handling doughs, using machinery;	1,000
4. Rounding up bread and rolls, making up bread, rolls, etc., dropping out cupcakes, helping make pastry doughs, mixing doughnuts, cookies, various small cakes, scaling;	2,400
5. Dough room control, formula balance, temperature and times for baking;	800
6. Cake decorating;	200
7. Fermentation, ingredients, grades, conditioning, temperature and humidity in storage, scaling of ingredients, formulas, proof box control, special breads and cakes, bench work, cooling.	900
Total	<u>6,000</u>

The apprentice shall be constantly cautioned regarding safety practices.

PART III

ASSISTING STUDENTS IN OBTAINING APPRENTICESHIPS

Step 5: Determining Job Suitability

If the student meets the minimum qualifications for the occupation, your next step should be to assist the student in deciding whether or not he or she can successfully work under the conditions accompanying that occupation, some of which may be hazardous, noisy, strenuous or otherwise uncomfortable for that particular individual. Information on working conditions can be gotten by consulting the publications listed in Part IV of this guide. For more detailed information, the student should talk to someone employed in the craft, trade or technical area of his or her choice.

Step 6: Searching for the Job

Once the student feels comfortable with the occupation selected, your next step should be to assist the student in finding a job. Without the job, there is no "on-the-job training," and such training represents over 90 percent of the apprentice training program. Information on apprentice training opportunities can be secured through labor union or trade association postings, personnel offices of major corporations, New Jersey Job Service offices and newspapers.

It should be stressed, however, that many apprentice training opportunities, especially those with small businesses, are not listed anywhere because they don't exist until interested individuals make them exist. It is often up to the student to suggest an apprenticeship to an employer and to supply the employer with the information needed to initiate an apprenticeship.

It is your responsibility, as counselor, to make a student aware of his or her responsibility for getting an apprenticeship.

Step 7: Making the Final Commitment

Once the student has located an opportunity for apprentice training, your next step should be to refer the student to the county or local apprentice coordinator or the appropriate BAT area training representative to set up a meeting with the employer. At this meeting the training site and equipment will be reviewed and the requirements and responsibilities of both the employer as sponsor and the employee as apprentice will be discussed.

Assuming that there is a meeting of the minds between employer and student, the county or local apprentice coordinator or the BAT area training representative will assist the employer and student in completing and filing the formal apprenticeship agreement.

Documents Needed for Apprenticeship Registration

Employers often require certain documents before registering an individual in an apprentice training program. Students would do well to have such documents in hand at the time of the employment interview. Should the student be offered an apprenticeship, registration can be accomplished on the spot, thus avoiding the frustration of not being able to complete what was started that day.

ASSISTING STUDENTS IN OBTAINING APPRENTICESHIPS

Contrary to popular opinion, you do not have to know "someone" to secure an apprenticeship. You do, however, have to know "how."

The primary purpose of this part of this guide, therefore, will be to outline the steps a counselor can take to help a student secure an apprenticeship. A description of the various documents and records which may be needed by applicants for registration in an apprentice training program also appears in this section.

Step 1: Identifying Potential Candidates

Assuming that you have familiarized yourself with the preliminary information in this guide and are sold on apprenticeship, your first step should be to identify potential candidates for entrance into apprentice training programs. This can be done by working with teachers of vocational education in all program areas, including, but not limited to, shop and industrial arts teachers as well as cooperative vocational education coordinators. Any student with the intellectual ability and mechanical interest necessary for craftsmanship should be considered.

Step 2: Selecting an Occupation

Once you have identified a potential applicant, your next step should be to help the individual choose an occupation commensurate with his/her aptitudes, abilities and interests. Counselors can make use of standard aptitude and interest tests such as the Armed Services Vocational Aptitude Battery (ASVAB), Comprehensive Occupational Assessment and Training System (COATS) or General Aptitude Test Battery (GATB) to support the individual's choice.

Step 3: Identifying an Occupation as Apprenticeable

When the student has selected an occupation, your next step should be to determine if that occupation is apprenticeable. The easiest way to identify apprenticeable occupations is to refer to the list entitled "Occupations Recognized as Apprenticeable by the Bureau of Apprenticeship and Training" provided in the Appendix to this guide.

Step 4: Determining Student Qualifications

Assuming that the chosen occupation is apprenticeable, your next step should be to determine if the student meets the minimum qualifications for the occupation. This task can be accomplished by reviewing various publications that discuss the requirements and qualifications of the occupation and comparing those requirements and qualifications with those listed on the student's profile. Publications outlining training and educational requirements, as well as personal qualifications, are listed in Part IV of this guide.

Among those documents required by most sponsors are the individual's high school diploma, GED certificate, high school transcript, birth certificate, medical certificate and social security card. If the individual is a veteran and wishes to take advantage of the Veterans Administration allowances under Public Law 96-466, he or she will need form DD214 ("Separation from Active Service"), otherwise known as the military service discharge.

PART IV

HELP WHEN IT'S NEEDED

HELP WHEN IT'S NEEDED

Securing an apprenticeship for a student is no accident. It is the result of careful research, preparation and follow through. It's also the result of knowing who to contact when help is needed.

This part of the guide will provide a listing of persons, places and publications that can aid both counselor and student in the apprenticeship-search process.

Cooperative Vocational Education Coordinators

If your school offers cooperative vocational education, it also employs one or more cooperative vocational education teacher-coordinators. These individuals, who are sensitive to employment trends and job requirements because of their daily proximity to business, labor and industry, can be valuable resources to guidance counselors.

You should contact the cooperative vocational education coordinator for the following kinds of help:

- . To gain an in-depth picture of the employment market in the locality defined by your school's boundaries.
- . To obtain information relevant to course work that might enhance a student's chance of securing an apprenticeship.

Apprentice Coordinator Offices

Apprentice coordinator offices, located in public school districts throughout the state, have the responsibility of promoting and facilitating apprentice training in a specific geographic region. These offices are staffed by knowledgeable personnel who are recognized by the state as final approvers of related instruction for all apprentices in their region.

You should contact one of the following apprentice coordinator offices for these types of assistance:

- . To gain general information regarding apprenticeship training.
- . To obtain announcements of union or corporate testing dates and localities.
- . To arrange for a meeting with a prospective sponsor and a potential apprentice to discuss requirements and responsibilities.
- . To secure an apprenticeship agreement form and to receive technical assistance in completing and filing said form.

APPRENTICE COORDINATOR OFFICES

ATLANTIC COUNTY

Atlantic County Vocational School
Route #40
Mays Landing, NJ 08330
(609) 641-6562

BERGEN COUNTY

Bergen County Vocational School
200 Hackensack Avenue
Hackensack, NJ 07601
(201) 343-6000

BURLINGTON COUNTY

Burlington County Vocational School
Hawkins Road
Medford, NJ 08055
(609) 267-4226

CAMDEN COUNTY

Camden County Vocational School
Box 566-Berlin Cross-Keys Road
Sicklerville, NJ 08081
(609) 767-7000

CAPE MAY COUNTY

Cape May County Vocational School
Crest Haven Road
Cape May Court House, NJ 08210
(609) 465-3064

CUMBERLAND COUNTY

Cumberland County Vocational School
R. D. #8, Box 45
Bridgeton, NJ 08302
(609) 455-4000

MERCER COUNTY

Mercer County Vocational School
1085 Old Trenton Road
Trenton, NJ 08690
(609) 586-5146

MIDDLESEX COUNTY

Middlesex County Vocational School
P. O. Box 220
East Brunswick, NJ 08816
(201) 257-3300

MONMOUTH COUNTY

Monmouth County Vocational School
2 Bucks Lane, Route #79, Plaza 79
Marlboro, NJ 07746
(201) 431-7942

MORRIS COUNTY

Morris County Vocational School
400 East Main Street
Denville, NJ 07834
(201) 627-0114

OCEAN COUNTY

Ocean County Vocational School
Old Freehold & Bay Lea Road
Toms River, NJ 08753
(201) 349-8425

PASSAIC COUNTY

Passaic County Vocational School
45 Reinhardt Road
Wayne, NJ 07470
(201) 490-6000

ELIZABETH AREA (ONLY)

Thomas A. Edison Vocational-
Technical School
625 Summer Street
Elizabeth, NJ 07202
(201) 558-3000

ESSEX COUNTY

Essex County Vocational School
68 South Harrison Street
East Orange, NJ 07018
(201) 961-7901

GLOUCESTER COUNTY

Gloucester County Vocational School
Tanyard Road
Sewell, NJ 08080
(609) 468-1445

HUDSON COUNTY

Hudson County Vocational School
8511 Tonnelle Avenue
North Bergen, NJ 07047
(201) 854-3900

JERSEY CITY AREA (ONLY)

Snyder High School
239 Bergen Avenue
Jersey City, NJ 07305
(201) 547-4960

SALEM COUNTY

Salem County Vocational School
P. O. Box 350, R. D. #2
Woodstown, NJ 08098
(609) 760-0102

SOMERSET COUNTY

Somerset County Vocational School
P.O. Box 6350, N. Bridge Street
Bridgewater, NJ 08807
(201) 526-8900

SUSSEX COUNTY

Sussex County Vocational School
105 North Church Road
Sparta, NJ 07871
(201) 383-6700

UNION COUNTY

Union County Vocational School
1776 Raritan Road
Scotch Plains, NJ 07076
(201) 899-2000

WARREN COUNTY

Warren County Vocational School
R. D. #1, Box 168A
Washington, NJ 07882
(201) 689-0122

Bureau Of Apprenticeship And Training

Following is a list of six representatives of the Bureau of Apprenticeship and Training (BAT) at the local level. Their duties are to encourage the establishment of sound apprentice training programs, provide technical assistance to business, labor and industry in establishing such programs and advise all apprentices and apprentice training programs in New Jersey.

Contact a BAT area training representative for the following types of assistance:

- . To gain general information on apprentice training programs.
- . To obtain announcements of union or corporate testing dates and localities.
- . To arrange for a meeting with a prospective sponsor and a potential apprentice to discuss requirements and responsibilities.
- . To obtain an apprenticeship agreement form and to receive technical assistance for completing and filing the form.

BAT AREA TRAINING REPRESENTATIVES

Bureau of Apprenticeship and Training
(Serving the 11 counties listed below)
Room 838 - Federal Building
970 Broad Street
Newark, New Jersey 07102
Phone: (201) 645-3880
Frank M. King - State Director

William Driscoll - - - - - Bergen, Hudson
Nick DeLapi - - - - - Union, Morris, Sussex
Ulysses Jordan - - - - - Passaic, Essex
Albert Hudanish - - - - - Atlantic, Monmouth, Ocean
Middlesex, Somerset

Bureau of Apprenticeship and Training
(Serving the 10 counties listed below)
Post Office Box 1418 - Room 401
Federal Building - 402 East State Street
Trenton, New Jersey 08607
Phone: (609) 989-2209

Neil Bishop - - - - - Burlington, Camden,
Cape May, Cumberland,
Gloucester, Salem
Vacant - - - - - Mercer, Warren,
Hunterdon

The Division of Vocational Education and Career Preparation

The Division of Vocational Education and Career Preparation (DVECP), an agency of the New Jersey State Department of Education, is located on the third floor of 225 West State Street in Trenton.

The Office of Apprentice Training within the DVECP has the duty of approving the registration of all New Jersey apprentices with the Bureau of Apprenticeship and Training (BAT) and, together with the BAT, verifying successful completion of all apprentice training programs. Contact Charles Kunkel, Director of Apprentice Training, at (609) 292-7490, for the following kinds of help:

- . To obtain information pertaining to state standards on apprenticeship.
- . To secure assistance in contacting county or local apprentice coordinators.
- . To gain help in resolving issues that cannot be resolved locally.

School-to-Work Linkage, a project within the DVECP, has the responsibility of encouraging and facilitating apprentice registration for all eligible cooperative vocational education students in New Jersey. Contact Patricia Peacock, Manager of the School-to-Work Linkage Project, at (609)-292-6565, for the following types of assistance:

- . To obtain information on securing apprenticeships for cooperative vocational education students.
- . To gain help in resolving problems concerning apprentice registration of cooperative vocational education students which cannot be resolved locally.
- . To answer questions pertaining to any part of this guide.

New Jersey Job Service

New Jersey Job Service has a computer-assisted system for job order development, information storage, distribution and control. The system provides job applicants and various personnel serving job applicants with daily information concerning available jobs and training opportunities registered with the New Jersey State Employment Service. It is important that you maintain a close relationship with one of the local Job Service offices listed on the following pages in order to know job trends, occupational needs and manpower requirements in your area.

NEW JERSEY JOB SERVICE OFFICES

ATLANTIC COUNTY

1433 Bacharach Blvd.
Atlantic City, NJ 08401
(609) 441-3294

Rt. 30 & Elvins Ave.
Hammonton, NJ 08037

BERGEN COUNTY

40 Bennett Rd.
Englewood, NJ 07631
(201)568-9840

50 Passaic St.
Hackensack, NJ 07601
(201)487-6800

BURLINGTON COUNTY

57 High St.
Mount Holly, NJ 08060
(609) 267-0981

CAMDEN COUNTY

517 Federal St.
Camden, NJ 08103
(609) 757-2807

CAPE MAY COUNTY

3810 New Jersey Ave.
Wildwood, NJ 08260
(609) 729-0997

CUMBERLAND COUNTY

43 Cornwell Drive
Bridgeton, NJ 08302
(609) 455-6100

415 Landis Ave.
Vineland, NJ 08360

ESSEX COUNTY

80 Mulberry St.
Newark, NJ 07102
(201) 648-3599

HUDSON COUNTY

87 Newkirk St.
Jersey City, NJ 07306
(201) 798-5627

MERCER COUNTY

223 N. Hermitage Ave.
Trenton, NJ 08625
(201) 292-0602

MIDDLESEX COUNTY

277 George St.
New Brunswick, NJ 08901
(201) 545-6800

275 Hobart St.
Perth Amboy, NJ 08861
(201) 826-2900

121 Monmouth St.
Red Bank, NJ 07701
(201) 741-6623

MORRIS COUNTY

107 Bassett Hwy.
Dover, NJ 07801
(201) 361-9050

OCEAN COUNTY

111 W. Water St.
Toms River, NJ 08753
(201) 341-6330

PASSAIC COUNTY

25 Henry St.
Passaic, NJ 07055
(201) 779-1260

SALEM COUNTY

154 Salem-Woodstown Rd.
Salem, NJ 08079
(609) 935-7007

ESSEX COUNTY (cont.)

Serving West Essex
(201) 648-3964

UNION COUNTY

319 No. Broad St.
Elizabeth, NJ 07208
(201-648-4462

525 Madison Ave.
Plainfield, NJ 07060
(201) 499-5935

SOMERSET COUNTY

352 E. Main St.
Somerville, NJ 08876
(201) 725-2600

WARREN COUNTY

Hillcrest Shopping Mall
Phillipsburg, NJ 08865
(201) 859-0400

Local Labor Unions and Trade Associations

Local labor unions and trade associations can provide you with a list of test dates and specific requirements for entrance. A telephone call will put you on their mailing list.

For the labor unions located in a specific area, consult the yellow pages of the telephone book under the heading "Labor Organizations." For the trade associations located in a specific area, consult the yellow pages of the telephone book either under the heading "Associations" or "Business and Trade Organizations."

If your phone book does not provide you with the information you desire, consult either the Trenton or Newark phone directories which can be found in your local library.

Publications

To obtain specific information on several hundred occupations and 35 major industries, including what the work is like, job prospects to 1990, personal qualifications, training and educational requirements, working conditions, earnings and chances for advancement, secure a copy of the Occupational Outlook Handbook from the U.S. Department of Labor, Bureau of Labor Statistics, Washington, D.C. 20212, by requesting Bulletin 2075, 1980. The cost for paper cover is \$8.00; cloth cover costs \$11.00.

To obtain information on all apprenticeable trades recognized in New Jersey, secure a copy of the National Apprenticeship Program Booklet from the U.S. Department of Labor, Office of Employment and Training, Bureau of Apprenticeship and Training, 970 Broad St., Room 838, Newark, New Jersey 07102. The publication is free.

To obtain information on state required licenses for employability, secure a copy of the Handbook of Occupations and Professions Licensed by New Jersey State Boards and Commissions from the New Jersey Department of Labor, Division of Research and Planning, John Fitch Plaza, Trenton, New Jersey 08625, by requesting RP-247 (RS-81). This publication also is free.

To obtain concise definitions of occupational titles including the occupational code number, the industry designation, alternate titles and unrelated titles, if any, and task element statements, secure a copy of the Dictionary of Occupational Titles from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Purchase price is \$13.00.

APPENDIX

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

November, 1982

TITLE	DOT CODE	TERM in YEARS
ACCORDIAN MAKER(musical inst.)	730.281-010	4
ACCOUSTICAL CARPENTER(const.)	860.381-010	4
ACTOR(amuse. & rec.)	150.047-010	2
AIR-CONDITIONING INSTALLER-SERVICER, WINDOW UNIT (any ind.)	637.261-010	3
AIR-CONDITIONING MECHANIC(auto. serv.) (Automotive Specialty Shops only)	620.281-010	1
AIRCRAFT-ARMAMENT MECHANIC(gov. serv.)	632.261-010	4
AIRCRAFT LAY-OUT WORKER(aircraft-aerospace mfg.)	693.381-010	4
AIRCRAFT MECHANIC, ARMAMENT(aircraft-aerospace mfg.)	806.381-010	4
AIRCRAFT MECHANIC, ELECTRICAL AND RADIO(aircraft- aerospace mfg.)	825.381-010	4
AIRCRAFT MECHANIC, PLUMBING AND HYDRAULICS(aircraft- aerospace mfg.)	862.381-010	4
AIRCRAFT-PHOTOGRAPHIC-EQUIPMENT MECHANIC(photo. app.)	714.281-010	4
AIRFRAME-AND-POWER PLANT MECHANIC(aircraft-aerospace mfg.; air trans.)	621.281-014	4
AIRPLANE COVERER(aircraft-aerospace mfg.; air trans.)	849.381-010	3
AIRPLANE WOODWORKER(aircraft-aerospace mfg.)	769.281-010	3
ALARM OPERATOR(gov. serv.)	379.162-010	1
ALTERATION TAILOR(gar.; per.serv.; ret.tr.)	785.261-010	2
ANIMAL TRAINER(amuse. & rec.)	159.224-010	2½
ARTIFICIAL-GLASS-EYE MAKER(optical goods)	713.261-010	5
ARTIFICIAL-PLASTIC-EYE MAKER(optical goods)	713.261-014	5
ASPHALT-PAVING MACHINE OPERATOR(const.)	853.663-010	3
ASSEMBLER, AIRCRAFT, POWER PLANT(aircraft-aerospace mfg.)	806.381-022	2
ASSEMBLER, AIRCRAFT, STRUCTURES AND SURFACES(aircraft- aerospace mfg.)	806.381-026	4
ASSEMBLER, ELECTRO-MECHANICAL(aircraft-aerospace mfg.)	806.381-030	4
ASSEMBLER-INSTALLER, GENERAL(aircraft-aerospace mfg.)	806.361-014	2
ASSEMBLER, METAL BUILDING(const.)	801.381-010	2
ASSEMBLY MECHANIC, EXPERIMENTAL AIRCRAFT(aircraft- aerospace mfg.)	806.381-038	4
ASSEMBLY TECHNICIAN(office machines)	633.261-010	2
AUDIO OPERATOR(radio & tv broad.)	194.262-010	2
AUDIO-VIDEO REPAIRER(any ind.)	729.281-010	2
AUGER PRESS OPERATOR, MANUAL CONTROL(brick & tile)	575.462-010	2
AUTOMATED EQUIPMENT ENGINEER-TECHNICIAN(mach. mfg.)	638.261-010	4
AUTOMATIC EQUIPMENT TECHNICIAN(tel. & tel.)	822.281-010	2
AUTOMOBILE-BODY REPAIRER(auto. serv.)	807.381-010	4
AUTOMOBILE MECHANIC(auto. serv.)	620.261-010	4
AUTOMOBILE-RADIATOR MECHANIC(auto. serv.) (Automotive Specialty Shops only)	620.381-010	2
AUTOMOBILE-REPAIR-SERVICE ESTIMATOR(auto. serv.)	620.261-018	4
AUTOMOBILE TESTER(auto. serv.)	620.261-014	4
AUTOMOBILE UPHOLSTERER(auto. serv.)	780.381-010	3
AUTOMOTIVE COOLING SYSTEM DIAGNOSTIC TECHNICIAN(auto. serv.)(Automotive Specialty Shops only)	620.261-580	2
AUTOMOTIVE-GENERATOR-AND-STARTER REPAIRER(auto. serv.)	721.281-010	2
AUTOMOTIVE MAINTENANCE EQUIPMENT SERVICER(any ind.)	620.281-018	4
AVIONICS TECHNICIAN(aircraft-aerospace mfg.; air trans.)	823.281-010	4

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
BAKER(bake. prod.)	526.381-010	3
BAKER(hotel & rest.)	313.381-010	3
BAKER, PIZZA(hotel & rest.)	313.381-014	1
BAKERY-MACHINE MECHANIC(bake. prod.)	629.281-010	3
BANK-NOTE DESIGNER(gov. serv.)	142.061-010	5
BARBER(per. serv.)	330.371-010	2
BATCH-AND-FURNACE OPERATOR(glass mfg.)	572.382-010	4
BATTERY REPAIRER(any ind.)	727.381-014	2
BEEKEEPER(agric.)	413.161-010	4
BENCH HAND(jewelry)	735.381-010	2
BEN-DAY ARTIST(print. & pub.)	970.681-010	6
BIOMEDICAL EQUIPMENT TECHNICIAN(inst. & app.; med. serv.)	719.261-010	4
BLACKSMITH(forging)	610.381-010	4
BLOCKER-AND-CUTTER, CONTACT LENS(optical goods)	716.681-010	1
BOATBUILDER, WOOD(ship & boat bldg. & rep.)	860.381-018	4
BOILERHOUSE MECHANIC(any ind.)	805.361-010	3
BOILERMAKER FITTER(boilermaking)	805.361-014	4
BOILERMAKER I(boilermaking)	805.261-014	4
BOILERMAKER II(boilermaking)	805.381-010	3
BOILER OPERATOR(any ind.)	950.342-010	4
BOOKBINDER(print. & pub.)	977.381-010	5
BOOTMAKER, HAND(rubber goods)	753.381-010	1
BRACELET AND BRROCH MAKER(jewelry)	735.681-010	4
BRAKE REPAIRER(auto. serv.)	620.281-026	2
BRICKLAYER(brick & tile)	861.381-014	4
BRICKLAYER(const.)	861.381-018	3
BRICKLAYER, FIREBRICK AND REFRACTORY TILE(const.)	861.381-026	4
BRILLIANDEER-LOPPER(jewelry)	770.261-010	3
BUTCHER, ALL AROUND(slaughter & meat packing)	525.381-014	3
BUTCHER, MEAT(hotel & rest.)	316.681-010	3
BUTTERMAKER(dairy prod.)	529.362-010	2
CABINETMAKER(woodworking)	660.280-010	4
CABLE INSTALLER-REPAIRER(light, heat, & power)	821.361-010	3
CABLE SPLICER(const.; light, heat, power; tel. & tel.)	829.361-010	4
CABLE TESTER(tel. & tel.)	822.361-010	4
CALIBRATION LABORATORY TECHNICIAN(aircraft-aerospace mfg.; electronics)	019.281-010	4
CAMERA REPAIRER(photographic app.)	714.281-014	2
CANAL-EQUIPMENT MECHANIC(waterworks)	899.281-010	2
CANDY MAKER(confec.)	529.361-014	3
CANVAS WORKER(canvas goods; ship & boat Bldg. & rep.)	739.381-010	3
CAR REPAIRER(loco. & car bldg. & rep.)	622.381-014	4
CARBURETOR MECHANIC(auto. serv.)	620.281-034	4
CARD CUTTER, JACQUARD(narrow fabrics; textile)	683.582-010	4
CARD GRINDER(asbestos prod.; textile)	680.380-010	4
CARPENTER(const.)	860.381-022	4
CARPENTER, MAINTENANCE(any ind.)	860.281-010	4
CARPENTER, MOLD(brick & tile; conc. prod.)	860.381-034	6
CARPENTER, ROUGH(const.)	860.381-042	4
CARPENTER, SHIP(water trans.)	860.280-014	4
CARPET CUTTER(ret. tr.)	929.381-010	1
CARPET LAYER(ret. tr.)	864.381-010	3

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
CARTOONIST, MOTION PICTURE(motion pic.; radio & tv broad.)	141.081-010	3
CARVER, HAND(furn.; plan. mill)	761.281-010	4
CASH-REGISTER SERVICER(any ind.)	633.281-010	3
CASING-IN-LINE SETTER(print. & pub.)	653.360-010	4
CASKET ASSEMBLER(mort. goods)	739.481-010	6
CASTER(jewelry)	502.381-010	2
CASTER(nonfer. metal alloys)	502.482-010	2
CELL MAKER(chem.)	844.681-010	1
CEMENT MASON(const.)	844.364-010	2
CENTRAL-OFFICE INSTALLER(tel. & tel.)	822.361-014	4
CENTRAL-OFFICE REPAIRER(tel. & tel.)	822.281-014	4
CHASER(jewelry; silverware)	704.381-010	4
CHEESEMAKER(dairy prod.)	529.361-018	2
CHEMICAL-ENGINEERING TECHNICIAN	008.261-010	4
CHEMICAL LABORATORY TECHNICIAN(profess. & kind.)	022.261-010	4
CHEMICAL OPERATOR III(chem.)	559.382-018	3
CHIEF OF PARTY(profess. & kind.)	018.167-010	4
CHIEF OPERATOR(chem.)	558.260-010	3
CHILD CARE DEVELOPMENT SPECIALIST(any ind.)	359.342-010	2
CHIMNEY REPAIRER(const.)	899.364-010	1
CLARIFYING-PLANT OPERATOR(textile)	955.382-010	1
CLOTH DESIGNER(profess. & kind.)	142.061-014	4
COIN-MACHINE-SERVICE REPAIRER(coin mach.)	639.281-014	3
COLORIST, PHOTOGRAPHY(photoginish)	970.381-010	2
COMMERCIAL DESIGNER(profess. & kind.)	141.081-014	4
COMPLAINT INSPECTOR(light, heat, & power)	829.261-010	4
COMPOSIT-ROOM MACHINIST(print. & pub.)	627.261-010	6
COMPOSITOR(print. & pub.)	973.381-010	4
COMPUTER-PERIPHERAL-EQUIPMENT OPERATOR(clerical)	213.382-010	1
CONSTRUCTION-EQUIPMENT MECHANIC(const.)	620.261-022	4
CONTOUR WIRE SPECIALIST, DENTURE(med. serv.)	712.381-014	4
CONVEYOR-MAINTENANCE MECHANIC(any ind.)	630.381-010	2
COOK(any ind.)	315.361-010	2
COOK(hotel & rest.)	313.361-014	3
COOK, PASTRY(hotel & rest.)	313.381-026	3
COPPERSMITH(ship & boat bldg. & rep.)	862.281-010	4
COREMAKER(foundry)	518.381-014	4
CORK INSULATOR, REFRIGERATION PLANT(ccnst.)	863.381-010	4
CORROSION-CONTROL FITTER(light,heat,&power; pipe lines)	820.361-010	4
COSMETOLOGIST(per. serv.)	332.271-010	2
CUSTOM TAILOR(garment.; per.serv.; ret. tr.)	785.261-014	4
CUTTER, FABRICS AND MATERIALS(aircraft-aerospace mfg.)	781.384-010	2
CYLINDER GRINDER(print. & pub.)	500.381-010	5
CYLINDER-PRESS OPERATOR(print. & pub.)	651.362-010	4
DAIRY EQUIPMENT REPAIRER(dairy prod.)	629.281-018	3
DECORATOR(any ind.)	298.381-010	4
DECORATOR(glass mfg.; glass prod.)	740.381-010	4
DENTAL ASSISTANT(med. serv.)	079.371-010	1
DENTAL CERAMIST(med. serv.)	712.281-010	2
DENTAL-EQUIPMENT INSTALLER-SERVICER(whole. tr.)	829.261-014	3
DENTAL LABORATORY TECHNICIAN(med. serv.)	712.381-018	3

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
DESIGN DRAFTER, ELECTROMECHANISMS(profess. & kind.)	017.261-014	4
DESIGNER AND PATTERNMAKER(boot & shoe)	788.281-010	2
DETAILER(profess. & kind.)	017.261-018	4
DIAMOND SELECTOR(jewelry)	770.281-010	4
Dictating-Transcribing-Machine Servicer(any ind.)	633.281-014	3
DIE DESIGNER(mach. shop)	007.161-010	4
DIE FINISHER(mach. shop)	601.381-010	4
DIE MAKER(jewelry)	601.381-014	4
DIE MAKER(paper goods)	739.381-018	4
DIE MAKER, BENCH STAMPING(mach. shop)	601.281-010	4
DIE MAKER, STAMPING(mach. shop)	601.280-010	3
DIE MAKER, TRIM(mach. shop)	601.280-014	4
DIE MAKER, WIRE DRAWING(mach. shop)	601.280-018	3
DIE POLISHER(wire)	601.381-018	1
DIESEL-ENGINE TESTER(engine & turbine)	625.261-010	4
DIESEL MECHANIC(any ind.)	625.281-010	4
DIE SETTER(forging) q	612.360-010	2
DIE SINKER(mach. shop)	601.280-022	4
DIETETIC INTERN(profess. & kind.)	077.167-010	2
DIRECTOR, FUNERAL(per. serv.)	187.167-030	2
DISPLAY DESIGNER(profess. & kind.)	142.051-010	4
DISPLAYER, MERCHANDISE(ret. tr.)	298.081-010	1
DOOR-CLOSER MECHANIC(any ind.)	630.381-014	3
DRAFTER, ARCHITECTURAL(profess. & kind.)	001.261-010	4
DRAFTER, AUTOMOTIVE DESIGN(auto. mfg.)	017.281-022	4
DRAFTER, AUTOMOTIVE DESIGN LAY-OUT(auto. mfg.)	017.281-026	4
DRAFTER, CARTOGRAPHIC(profess. & kind.)	018.261-010	4
DRAFTER, CIVIL(profess. & kind.)	005.281-010	4
DRAFTER, COMMERCIAL(profess. & kind.)	017.261-026	4
DRAFTER, DETAIL(profess. & kind.)	017.261-030	4
DRAFTER, ELECTRICAL(profess. & kind.)	003.281-010	4
DRAFTER, ELECTRONIC(profess. & kind.)	003.281-014	4
DRAFTER, HEATING AND VENTILATING(profess. & kind.)	017.261-034	4
DRAFTER, LANDSCAPE(profess. & kind.)	001.261-014	4
DRAFTER, MARINE(profess. & kind.)	014.281-010	4
DRAFTER, MECHANICAL(profess. & kind.)	007.281-010	4
DRAFTER, PLUMBING(profess. & kind.)	017.261-038	4
DRAFTER, STRUCTURAL(profess. & kind.)	005.281-014	3
DRAFTER, TOOL DESIGN(profess. & kind.)	007.261-022	4
DRAFTER, TOPOGRAPHICAL(profess. & kind.)	018.261-014	4
DRAGLINE OPERATOR(any ind.)	850.683-018	1
DREDGE OPERATOR(const.; mining & quarrying)	850.663-010	1
DRESSMAKER(any ind.)	785.361-010	4
DRILLING-MACHINE OPERATOR(mining & quarrying)	930.482-010	3
DRY CLEANER(clean.; dye & press.)	362.382-014	3
DRY-WALL APPLICATOR(const.; mfd. bldgs.)	842.681-010	2
EDITOR, FILM(motion pic.; radio & tv broad.)	962.264-010	4
ELECTRICAL-APPLIANCE REPAIRER(any ind.)	723.381-010	3
ELECTRICAL-APPLIANCE SERVICER(any ind.)	827.261-010	3
ELECTRICAL-INSTRUMENT REPAIRER(any ind.)	729.281-014	4
ELECTRICAL REPAIRER(any ind.)	829.281-014	4

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
ENVELOPE-FOLDING-MACHINE ADJUSTER(paper goods)	641.680-010	3
ENVIRONMENTAL-CONTROL SYSTEM INSTALLER-SERVICER(any ind.) (Residential & Light Commercial only)	637.261-014	3
EQUIPMENT INSTALLER(tel. & tel.)	822.381-010	4
ESTIMATOR AND DRAFTER(light, heat, & power)	019.261-014	4
ETCHER, HAND(print. & pub.)	971.261-010	5
ETCHER, PHOTENGRAVING(print. & pub.)	971.381-014	4
EXPERIMENTAL ASSEMBLER(any ind.)	739.381-026	2
EXPERIMENTAL MECHANIC(motor & bicycles)	600.260-014	4
EXTRUDER OPERATOR(fabric. plastics prod.; plastics mat.)	557.382-010	1
FABRICATOR-ASSEMBLER, METAL PRODUCTS(any ind.)	809.381-010	4
FARM EQUIPMENT MECHANIC I(agric. equip.)	624.281-010	3
FARM EQUIPMENT MECHANIC II(agric. equip.)	624.381-014	4
FASTENER TECHNOLOGIST(nut & bolt)	612.260-684	3
FIELD ENGINEER(radio & tv broad.)	193.262-018	4
FIELD ENGINEER(electronics)	828.261-014	2½
FILM DEVELOPER(motion pic.; photoginish)	976.382-018	3
FILM LABORATORY TECHNICIAN I(motion pic.)	976.381-010	3
FINISHER, DENTURE(med. serv.)	712.681-018	1
FIRE-CONTROL MECHANIC(gov. serv.)	632.261-014	2
FIRE FIGHTER(any ind.)	373.364-010	3
FIRE FIGHTER, CRASH, FIRE AND RESCUE(air trans.)	373.663-010	1
FIRE MEDIC(med. serv.)	373.364-014	3½
FIRER, KILN(pottery & porc.)	573.662-010	3
FITTER(mach. shop)	801.381-014	2
FITTER I(any ind.)	801.261-014	3
FIXTURE MAKER(light fix.)	600.380-010	2
FLOOR-COVERING LAYER(loco & car bldg. & rep.)	622.381-026	3
FLOOR LAYER(const.; ret. tr.)	864.481-010	3
FLORAL DESIGNER(ret. tr.)	142.081-010	1
FOLDING-MACHINE OPERATOR(print. & pub.)	653.382-010	2
FOLDING-MACHINE SETTER(print. & pub.)	653.360-014	4
FORGE-SHOP-MACHINE REPAIRER(forging)	626.261-010	3
FORGING-PRESS OPERATOR I(forging)	611.482-010	1
FORM BUILDER(aircraft-aerospace mfg.)	693.280-010	4
FORM BUILDER(const.)	860.381-046	2
FORMER, HAND(any ind.)	619.361-010	2
FORMING-MACHINE OPERATOR(glass mfg.)	575.382-014	4
FOUNDRY METALLURGIST(foundry)	011.061-010	4
FOURDRINIER-MACHINE TENDER(build. board; paper & pulp)	539.362-014	3
FOUR-SLIDE-MACHINE SETTER(any ind.)	616.380-010	2
FREEZER OPERATOR(dairy prod.)	529.482-010	1
FRETTED-INSTRUMENT REPAIRER(any ind.)	730.281-026	3
FRONT-END MECHANIC(auto. serv.)	620.281-038	4
FUEL-INJECTION SERVICER(any ind.)	625.281-022	2
FUR CUTTER(fur goods)	783.381-010	2
FUR DESIGNER(fur goods)	142.081-014	4
FUR FINISHER(fur goods)	783.381-014	2
FURNACE INSTALLER(light, heat, & power)	862.361-010	4
FURNACE-INSTALLER AND REPAIRER, HOT AIR(any ind.)	869.281-010	3
FURNACE OPERATOR(found.; iron & steel)	142.061-022	4

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
ELECTRICAL TECHNICIAN(profess. & kind.)	003.161-010	4
ELECTRIC-DISTRIBUTION CHECKER(const.; light, heat, & power)	824.281-014	2½
ELECTRICIAN(any ind.)	824.261-010	4
ELECTRICIAN(ship & boat bldg. & rep.)	825.381-030	4
ELECTRICIAN(water trans.)	825.281-014	4
ELECTRICIAN, AIRPLANE(aircraft-aerospace mfg.)	825.281-018	4
ELECTRICIAN, AUTOMOTIVE(auto. serv.)	825.281-022	2
ELECTRICIAN, LOCOMOTIVE(loco. & car bldg. & rep.)	825.281-026	4
ELECTRICIAN, POWERHOUSE(light, heat, & power)	820.261-014	4
ELECTRICIAN, RADIO(any ind.)	823.281-014	4
ELECTRICIAN, SUBSTATION(light, heat, & power)	820.261-018	3
ELECTRIC-METER INSTALLER I(light, heat, & power)	821.361-014	4
ELECTRIC-METER REPAIRER(light, heat, & power)	729.281-014	4
ELECTRIC-METER TESTER(light, heat, & power)	821.381-010	4
ELECTRIC-MOTOR-AND-GENERATOR ASSEMBLER(elec. equip.)	820.361-014	2
ELECTRIC-MOTOR ASSEMBLER AND TESTER(any ind.)	721.281-014	4
ELECTRIC-MOTOR REPAIRER(any ind.)	721.281-018	4
ELECTRIC-TOOL REPAIRER(any ind.)	729.281-022	4
ELECTRIC-TRACK-SWITCH MAINTAINER(r.r. trans.)	825.261-010	4
ELECTROMECHANICAL TECHNICIAN(inst. app.)	710.281-018	3
ELECTROMEDICAL-EQUIPMENT REPAIRER(any ind.)	729.281-030	2
ELECTRONIC-ORGAN TECHNICIAN(any ind.)	828.261-010	2
ELECTRONIC-PRODUCTION-LINE-MAINTENANCE MECHANIC. (electronics)	629.281-022	1
ELECTRONIC-SALES-AND-SERVICE TECHNICIAN(profess.& kind.)	828.251-010	4
ELECTRONICS MECHANIC(any ind.)	828.281-010	4
ELECTRONICS TECHNICIAN(profess. & kind.)	003.161-014	4
ELECTRONICS TESTER I(electronics)	726.281-014	3
ELECTRONICS UTILITY WORKER(electronics)	726.361-010	4
ELECTROTYPYER(print. & pub.)	974.381-010	5
ELEVATING-GRADER OPERATOR(const.)	850.663-014	2
ELEVATOR CONSTRUCTOR(const.)	825.361-010	4
ELEVATOR REPAIRER(any ind.)	825.281-030	4
EMBALMER(per. serv.)	338.371-014	2
EMBOSSER(print. & pub.)	659.382-010	2
EMERGENCY MEDICAL TECHNICIAN(med. serv.)	079.374-010	3
ENGINEERING ASSISTANT, MECHANICAL EQUIPMENT(profess. & kind.)	007.161-018	4
ENGINEERING MODEL MAKER(inst. & app.)	600.260-010	4
ENGINE-LATHE SET-UP OPERATOR(mach. shop)	604.380-018	2½
ENGINE-LATHE SET-UP OPERATOR, TOOL(mach. shop)	604.280-010	2½
ENGINE REPAIRER, SERVICE(engine & turbine)	625.281-018	4
ENGINE TURNER(jewelry)	704.381-018	2½
ENGRAVER(glass prod.; mirror)	775.381-010	2
ENGRAVER I(print. & pub.)	979.381-010	5
ENGRAVER, BLOCK(print. & pub.)	979.281-014	4
ENGRAVER, HAND, HARD METALS(enraving)	704.381-026	4
ENGRAVER, HAND, SOFT METALS(enraving)	704.381-030	4
ENGRAVER, MACHINE(print. & pub.)	979.382-014	4
ENGRAVER, PANTOGRAPH I(enraving)	704.382-010	4
ENGRAVER, PICTURE(print. & pub.)	979.281-018	10
ENGRAVING-PRESS OPERATOR(print. & pub.)	651.382-010	3

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
FURNITURE DESIGNER(furn.)	142.061-022	4
FURNITURE FINISHER(woodworking)	763.381-010	3
FURNITURE UPHOLSTERER(any ind.)	780.381-018	4
FURRIER(fur goods)	783.261-010	4
GAGER(petrol. prod.; petrol. refin.; pipe lines)	914.384-010	2
GANG SAWYER, STONE(stonework)	670.362-010	2
GAS-APPLIANCE SERVICER(any ind.)	637.261-018	3
GAS-ENGINE REPAIRER(any ind.)	625.281-026	4
GAS-MAIN FITTER(light, heat, & power)	862.361-014	4
GAS-METER MECHANIC I(light, heat, & power)	710.381-022	3
GAS-REGULATOR REPAIRER(light, heat, & power; petrol. refin.; pipe lines)	710.381-026	3
GEAR-CUTTING-MACHINE SET-UP OPERATOR(mach. shop)	602.380-010	3
GEAR-CUTTING-MACHINE SET-UP OPERATOR, TOOL, (mach. shop)	602.280-010	4
GEAR HOBBER, SET-UP OPERATOR(mach. shop)	602.382-010	4
GEM CUTTER(jewelry)	770.281-014	3
GEODETIC COMPUTER(profess. & kind.)	018.167-014	2
GLASS BENDER(signs)	772.381-010	4
GLASS BLOWER(glass mfg.)	772.681-010	3
GLASS BLOWER, LABORATORY APPARATUS(glass prod.; inst. & app.)	772.281-010	4
GLASS BLOWING-LATHE OPERATOR(glass prod.)	772.482-010	4
GLAZIER(const.)	865.381-010	3
GLAZIER, STAINED GLASS(glass prod.)	779.381-010	4
GRAPHIC DESIGNER(profess. & kind.)	141.061-018	2
GRINDER I(clock & watch)	603.482-030	4
GRINDER OPERATOR, TOOL(mach. shop)	603.280-018	4
GRINDER SET-UP OPERATOR, UNIVERSAL(mach. shop)	603.280-030	4
GUNSMITH(any ind.)	632.281-010	4
HARNESS MAKER(leather prod.; ret. tr.)	783.381-018	3
HARPSICORD MAKER(musical inst.)	730.281-034	2
HAT-BLOCK MAKER(woodworking)	661.381-010	3
HEAD SAWYER(sawmill)	667.662-010	3
HEAT-TRANSFER TECHNICIAN(profess. & kind.)	007.181-010	4
HEAT TREATER I(heat treat.)	504.382-014	4
HEAVY FORGER(forging)	612.361-010	4
HOME HEALTH TECHNICIAN(med. serv.)	079.224-600	1
HORSESHOER(agric.)	418.381-010	2½
HORTICULTURIST(profess. & kind.)	040.061-038	3
HYDRAULIC-PRESS SERVICER(ammunition)	626.381-018	2
HYDROELECTRIC-MACHINERY MECHANIC(light, heat, & power)	631.261-010	3
HYDROELECTRIC-STATION OPERATOR(light, heat, & power)	952.362-018	3
HYDROMETER CALIBRATOR(inst. & app.)	710.381-030	2
ILLUSTRATOR(profess. & kind.)	141.061-022	4
INDUSTRIAL DESIGNER(profess. & kind.)	142.061-026	4
INDUSTRIAL ENGINEERING TECHNICIAN(profess. & kind.)	012.267-010	4
INJECTION-MOLDING-MACHINE OPERATOR(fabric. plastics prod.)	556.382-014	1
INSPECTOR, MECHANICAL AND ELECTRICAL(inst. & app.)	710.381-038	4
INSPECTOR, QUALITY ASSURANCE(gov. serv.)	168.287-014	3
INSTRUMENTATION TECHNICIAN(profess. & kind.)	003.261-010	4
INSTRUMENT MAKER(any ind.)	600.280-010	4
INSTRUMENT MAKER AND REPAIRER(petrol. prod.)	600.280-014	5
INSTRUMENT MECHANIC(any ind.)	710.281-026	4

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
INSTRUMENT MECHANIC, WEAPONS SYSTEM(inst. & app.)	711.281-014	4
INSTRUMENT REPAIRER(any ind.)	710.261-010	4
INSTRUMENT TECHNICIAN(light, heat, & power)	710.281-030	4
INSULATION WORKER(const.)	863.364-580	4
INTERIOR DESIGNER(profess. & kind.)	142.051-014	4
JACQUARD-LOOM WEAVER(textile)	683.662-010	4
JACQUARD-PLATE MAKER(knit goods)	685.381-010	1
JEWELER(jewelry)	700.281-010	2½
JIG BUILDER(wood. box)	761.381-014	2
JOB PRINTER(print. & pub.)	973.381-018	4
JOB SETTER(fabric. plastics prod.; mach. mfg.; mach. shop)	600.380-014	3
JOINER(ship & boat bldg. & rep.)	860.381-050	4
KILN OPERATOR(woodworking)	563.382-010	3
KNITTER MECHANIC(knit goods)	685.360-010	4
KNITTING MACHINE FIXER(hosiery; knit goods)	689.280-014	4
LABORATORY ASSISTANT(light, heat, & power)	029.361-018	3
LABORATORY TECHNICIAN(auto. mfg.)	019.381-010	1
LABORATORY TESTER(any ind.)	029.261-010	2
LANDSCAPE GARDNER(agric.)	408.161-010	4
LAND SURVEYOR(PROFESS. & kind.)	018.167-018	4
LAST-MODEL MAKER(lasts & rel. forms)	761.381-018	2
LATHER(const.)	842.361-010	3
LAUNDRY-MACHINE MECHANIC(laund.)	629.261-010	3
LAY-OUT TECHNICIAN(optical goods)	716.381-014	4
LAY-OUT WORKER I(any ind.)	809.281-010	4
LEAD BURNER(welding)	819.281-010	4
LEATHER-STAMPER(leather prod.)	781.381-018	1
LEGAL SECRETARY(clerical)	201.362-010	1
LETTERER(profess. & kind.)	970.661-014	2
LIGHT TECHNICIAN(motion pic.; radio & tv broad.)	962.362-014	4
LINE ERECTOR(const.; light, heat, & power)	821.361-018	3
LINE INSTALLER-REPAIRER(tel. & tel.)	822.381-014	4
LINE MAINTAINER(any ind.)	821.261-014	4
LINER(pottery & porc.)	740.681-010	3
LINE REPAIRER(light, heat, & power)	821.361-026	3
LINOTYPE OPERATOR(print. & pub.)	650.582-010	5
LITHOGRAPHIC PLATE MAKER(print. & pub.)	972.381-010	4
LITHOGRAPHIC-PRESS OPERATOR, TINWARE(tinware)	651.382-014	4
LOCKSMITH(any ind.)	709.281-010	4
LOCOMOTIVE ENGINEER(r.r. trans.)	910.363-014	4
LOFT WORKER(ship & boat bldg. & rep.)	661.281-010	4
LOGGING-EQUIPMENT MECHANIC(logging)	620.281-042	4
LOOM FIXER(asbestos prod.; narrow fabrics; textile)	683.260-018	3
MACHINE ASSEMBLER(mach. shop)	638.361-010	2
MACHINE BUILDER(mach. mfg.; mach. tool & access.)	600.281-022	2½
MACHINE FIXER(carpet & rug)	628.281-010	4
MACHINE FIXER(textile)	689.260-010	3
MACHINE OPERATOR I(any ind.)	616.360-018	1
MACHINE REPAIRER, MAINTENANCE(any ind.)	626.281-010	4
MACHINERY ERECTOR(engine & turbine; mach. mfg.)	638.261-014	4
MACHINE SETTER(any ind.)	616.360-022	4

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
MACHINE SETTER(clock & watch)	600.380-022	4
MACHINE SETTER(woodworking)	669.280-010	4
MACHINE SET-UP OPERATOR(elec. equip.; firearms; mach.shop)	600.380-018	2
MACHINE SET-UP OPERATOR, PAPER GOODS(paper goods)	649.380-010	4
MACHINE TRY-OUT SETTER(mach. tool & access.)	600.360-010	4
MACHINIST(mach. shop)	600.280-022	4
MACHINIST, AUTOMOTIVE(auto. serv.)	600.280-034	4
MACHINIST, EXPERIMENTAL(mach. shop)	600.280-038	4
MACHINIST, LINOTYPE(print. & pub.)	627.261-022	4
MACHINIST, MARINE ENGINE(ship & boat bldg. & rep.)	623.281-026	4
MACHINIST, MOTION-PICTURE EQUIPMENT(motion pic.; photo.app)	714.281-018	2
MACHINIST, OUTSIDE(ship & boat bldg. & rep.)	623.281-030	4
MACHINIST, WOOD(woodworking)	669.380-014	4
MAINTENANCE MACHINIST(any ind.)	600.280-042	4
MAINTENANCE MECHANIC(any ind.)	638.281-014	4
MAINTENANCE MECHANIC(const.; petrol.prod.; pipe lines)	620.281-046	4
MAINTENANCE MECHANIC(grain & feed mill)	629.281-030	2
MAINTENANCE MECHANIC, COMPRESSED-GAS PLANT(comp. & liquefied gases)	630.261-010	4
MAINTENANCE MECHANIC, TELEPHONE(any ind.)	822.281-018	3½
MAINTENANCE REPAIRER, BUILDING(any ind.)	899.381-010	2
MAINTENANCE REPAIRER, FACTORY OR MILL(any ind.)	899.281-014	4
MARBLE SETTER(const.)	861.381-030	3
MARINE-SERVICES TECHNICIAN(ship & boat bldg. & rep.)	806.261-500	3
MATERIAL COORDINATOR(clerical)	221.167-014	2
MECHANIC, AIRCRAFT ACCESSORIES(aircraft-aerospace mfg.)	621.381-014	4
MECHANICAL-ENGINEERING TECHNICIAN(profess. & kind.)	007.161-026	3
MECHANICAL-UNIT REPAIRER(auto.serv.; loco.&car bldg.&rep.)	620.381-018	4
MECHANIC, ENDLESS TRACK VEHICLE(auto. serv.)	620.381-014	4
MECHANIC, FIELD AND SERVICE(aircraft-aerospace mfg.)	621.281-026	4
MECHANIC, INDUSTRIAL TRUCK(any ind.)	620.281-050	4
MEDICAL-APPARATUS MODEL MAKER(inst. & app.)	712.261-010	2
MEDICAL LABORATORY TECHNICIAN(med. serv.)	078.381-014	2
MEDICAL SECRETARY(med. serv.)	201.362-014	1
METAL FABRICATOR(any ind.)	619.360-014	4
METEOROLOGICAL EQUIPMENT REPAIRER(any ind.)	823.281-018	4
METEOROLOGIST(profess. & kind.)	025.062-010	3
METER REPAIRER(any ind.)	710.281-034	3
MILLER, WET PROCESS(corn prod.)	521.662-010	3
MILLING-MACHINE SET-UP OPERATOR I(mach. shop)	605.280-010	2½
MILLWRIGHT(any ind.)	638.281-018	4
MINE-CAR REPAIRER(mining & quarrying)	622.381-030	2
MINER I(mining & quarrying)	939.281-010	1½
MOCK-UP BUILDER(aircraft-aerospace mfg.)	693.381-014	4
MODEL-AND-MOLD MAKER(brick & tile)	777.381-014	2
MODEL-AND-MOLD MAKER, PLASTER(conc. prod.)	777.381-018	4
MODEL BUILDER(furn.)	709.381-014	2
MODEL MAKER(aircraft-aerospace mfg.)	693.361-010	4
MODEL MAKER(clock & watch)	693.380-010	4
MODEL MAKER(jewelry)	709.381-018	4
MODEL MAKER(pottery & porc.)	777.281-014	2
MODEL MAKER, FIREARMS(firearms)	600.260-018	4

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
MODEL MAKER, WOOD(any ind.)	661.380-010	4
MOLDER(foundry)	518.361-010	4
MOLDER, PATTERN (foundry)	693.381-022	2
MOLD MAKER(potter & porc.)	777.681-010	3
MOLD MAKER I(jewelry)	700.381-034	4
MOLD MAKER II(jewelry)	777.381-022	2
MOLD MAKER, DIE CASTING & PLASTIC MOLDING(mach. shop)	601.280-030	4
MOLD SETTER(fabric. plastics prod.; phonograph)	556.380-010	1
MONOTYPE-KEYBOARD OPERATOR(print. & pub.; type founding)	650.582-014	3
MONUMENT SETTER(const.)	861.361-014	4
MOSAIC WORKER(glass prod.; stat. & art goods)	779.381-014	3
MOTORBOAT MECHANIC(engine&turbine; ship&boat bldg. & rep.)	623.281-038	3
MOTORCYCLE REPAIRER(auto. serv.)	620.281-054	3
MOTOR-GRADER OPERATOR(const.)	850.663-022	3
MULTI-COMPETENT CLINICAL ASSISTANT(078.362-540	2
MULTI-OPERATION-FORMING MACHINE SETTER(any ind.)	616.260-014	4
MULTI-OPERATION-MACHINE OPERATOR(any ind.)	612.462-010	3
NEON-SIGN SERVICER(signs)	824.281-018	5
NUMERICAL-CONTROL-MACHINE OPERATOR(mach. shop)	609.662-010	4
NURSE, LICENSED PRACTICAL(med. serv.)	079.374-015	1
OFFICE-MACHINE SERVICER(any ind.)	633.281-018	3
OFFSET-PLATE MAKER(print. & pub.)	971.381-018	4
OFFSET-PRESS OPERATOR I(print. & pub.)	651.482-010	4
OIL-BURNER-SERVICER-AND-INSTALLER(any ind.)	862.281-108	2
OIL-FIELD EQUIPMENT MECHANIC(petrol. prod.)	629.381-014	2
OPTICAL-INSTRUMENT ASSEMBLER(optical goods)	711.381-010	2
OPTICIAN(optical goods)	716.280-008	4
OPTICIAN(optical goods; ret. tr.)	716.280-014	5
OPTICIAN, DISPENSING I(ret. tr.)	713.361-014	4
OPTICIAN, DISPENSING II(ret. tr.)	299.474-010	2
OPTOMECHANICAL TECHNICIAN(optical goods; photo.app.)	007.161-030	4
ORDNANCE ARTIFICIER(gov. serv.)	632.261-018	3
ORNAMENTAL-IRON WORKER(const.)	809.381-022	3
ORNAMENTAL-METAL WORKER(fabric. metal prod.; n.e.c.)	619.260-008	4
ORTHODONTIC TECHNICIAN(med. serv.)	712.381-030	2
ORTHOPEDIC-BOOT-AND-SHOE DESIGNER AND MAKER(boot & shoe; per. protec.; med. dev.)	788.261-010	5
ORTHOTICS TECHNICIAN(per. protec.; med. dev.)	712.381-034	1
ORTHOTIST(per. protec.; med. dev.)	078.261-018	5
OUTBOARD-MOTOR MECHANIC(engine & turbine)	623.281-042	2
OUTSIDE PRODUCTION INSPECTOR(aircraft-aerospace mfg.)	806.281-046	4
OVERHAULER(textile)	628.261-010	2
PAINTER(const.)	840.381-010	3
PAINTER, HAND(any ind.)	970.381-022	3
PAINTER, SHIPYARD(ship & boat bldg. & rep.)	840.381-018	3
PAINTER, SIGN(any ind.)	970.381-026	4
PAINTER, TRANSPORTATION EQUIPMENT(aircraft-aerospace mfg.; air trans.; auto. serv.)	845.381-014	3
PANTOGRAPH-MACHINE SET-UP OPERATOR(mach. shop)	605.382-022	2
PAPERHANGER(const.)	841.381-010	2
PASTE-UP COPY-CAMERA OPERATOR(print. & pub.)	979.381-018	3

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
PATTERNMAKER(furn.; garment; textile prod.; n.e.c.)	781.381-026	3
PATTERNMAKER(spring)	693.281-014	4
PATTERNMAKER(stonework)	703.381-010	4
PATTERNMAKER, METAL(foundry)	600.280-050	5
PATTERNMAKER, METAL, BENCH(foundry)	693.281-018	5
PATTERNMAKER, PLASTER(aircraft-aerospace mfg.)	777.381-030	3½
PATTERNMAKER, PLASTICS(fabric. plastics prod.)	754.381-014	3
PATTERNMAKER, WOOD(foundry)	661.281-022	5
PHARMACIST ASSISTANT(mil. serv.)	074.381-010	1
PHOTOCOMPOSING-PERFORATOR-MACHINE OPERATOR(print. & pub.)	203.582-042	2
PHOTOENGRAVER(print. & pub.)	971.381-022	5
PHOTOENGRAVER, FINISHER(print. & pub.)	971.381-030	5
PHOTOENGRAVING PRINTER(print. & pub.)	971.381-034	5
PHOTOENGRAVING PROOFER(print. & pub.)	971.381-038	5
PHOTOGRAMMETRIST(profess. & kind.)	018.261-026	3
PHOTOGRAPHER, LITHOGRAPHIC(print. & pub.)	972.382-014	5
PHOTOGRAPHER, MOTION PICTURE(profess. & kind.)	143.062-022	3
PHOTOGRAPHER, PHOTOENGRAVING(electronics; print. & pub.)	971.382-014	6
PHOTOGRAPHER, STILL(profess. & kind.)	143.062-030	3
PHOTOGRAPHIC EQUIPMENT MAINTENANCE TECHNICIAN(photo.app.)	714.281-026	3
PHOTOGRAPHIC EQUIPMENT TECHNICIAN(photo. app.)	714.281-022	3
PHOTOGRAPHIC-PLATE MAKER(electronics)	714.381-018	4
PHOTOGRAPH RETOUCHER(photofinish)	970.281-018	3
PIANO TECHNICIAN(any ind.)	730.281-038	4
PIANO TUNER(any ind.)	730.361-010	3
PINSETTER ADJUSTER, AUTOMATIC(sports equip.)	829.381-010	3
PIPE COVERER AND INSULATOR(ship & boat bldg. & rep.)	863.381-014	4
PIPEFITTER(const.)	862.381-018	4
PIPEFITTER(ship & boat bldg. & rep.)	862.261-010	4
PIPE ORGAN BUILDER(musical inst.)	730.281-042	3
PIPE ORGAN TUNER AND REPAIRER(any ind.)	730.361-014	4
PLANT OPERATOR, FURNACE PROCESS(bone, carbon, lampblack)	559.362-026	4
PLASTERER(const.)	842.361-018	2
PLASTER-PATTERN CASTER(aircraft-aerospace mfg.; mach. tools and access.)	777.381-038	5
PLASTIC-FIXTURE BUILDER(mach. shop)	601.381-030	4
PLASTICS BENCH MECHANIC(aircraft-aerospace mfg.; fabric. plastics prod.)	754.381-018	2
PLASTIC TOOL MAKER(mach. shop)	601.381-026	4
PLATE FINISHER(print. & pub.)	659.360-010	6
PLATEN-PRESS OPERATOR(print. & pub.)	651.362-018	4
PLATER(electroplating)	500.380-010	3
PLUMBER(const.)	862.381-030	4
PNEUMATIC TESTER AND MECHANIC(aircraft-aerospace mfg.)	621.381-022	2½
PNEUMATIC-TOOL REPAIRER(any ind.)	630.281-010	4
PNEUMATIC-TUBE REPAIRER(any ind.)	630.281-014	2
PODIATRIC ASSISTANT(med. serv.)	079.374-018	2
PONY EDGER(sawmill)	667.682-050	2
POTTERY-MACHINE OPERATOR(pottery & porc.)	774.382-010	3
POWERHOUSE MECHANIC(light, heat, & power)	631.261-014	4
POWER-PLANT OPERATOR(light, heat, & power)	952.382-018	4

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
POWER-SAW MECHANIC(any ind.)	625.281-030	3
POWER-TURNER REPAIRER(light, heat, & power)	821.361-034	4
PRECISION ASSEMBLER(aircraft-aerospace mfg.; electronics)	828.381-014	3
PRECISION ASSEMBLER, BENCH(aircraft-aerospace mfg.)	706.681-010	2
PRECISION LENS GRINDER(optical goods)	716.382-018	4
PRESS OPERATOR, HEAVY DUTY(any ind.)	617.260-010	4
PRINTER, PLASTIC(coated fabric; fabric. plastics prod.)	651.382-026	4
PRINTER-SLOTTER OPERATOR(paper goods)	659.662-010	4
PRIVATE-BRANCH EXCHANGE INSTALLER(tel. & tel.)	822.381-018	4
PRIVATE-BRANCH EXCHANGE REPAIRER(tel. & tel.)	822.281-022	4
PROCESS ARTIST(print. & pub.)	972.281-010	5
PROGRAMER, BUSINESS(profess. & kind.)	020.162-014	2
PROGRAMER, ENGINEERING AND SCIENTIFIC(profess. & kind.)	020.167-022	4
PROJECTION PRINTER(photofinish)	976.381-018	4
PROOF-PRESS OPERATOR(print. & pub.)	651.582-010	5
PROOFSHEET CORRECTOR(print. & pub.)	973.381-030	4
PROP MAKER(amuse. & rec.; motion pic.)	962.281-010	4
PROPULSION-MOTOR-AND-GENERATOR REPAIRER(auto. serv.)	721.281-026	4
PROSPECTING DRILLER(petrol. prod.)	930.382-018	2
PROSTHETICS TECHNICIAN(per. protec. & med. serv.)	712.381-038	4
PROSTHETIST(per. protec. & med. dev.)	078.261-022	5
PROTECTIVE SIGNAL INSTALLER(bus. serv.)	822.361-018	4
PROTECTIVE SIGNAL REPAIRER(bus. serv.)	822.361-022	3
PUMP ERECTOR(const.)	637.281-010	2
PUMPER-GAGER(chem.; petrol. refin.; pipe lines)	914.382-014	3
PUMP SERVICER(any ind.)	630.281-018	3
PURIFICATION OPERATOR(chem.)	551.362-010	4
QUALITY CONTROL INSPECTOR(cut. & tools)	701.261-010	2
QUALITY CONTROL TECHNICIAN(profess. & kind.)	012.261-014	2
RADIOGRAPHER(any ind.)	199.361-010	4
RADIO MECHANIC(any ind.)	823.261-018	3
RADIO REPAIRER(any ind.)	720.281-010	4
RADIO STATION OPERATOR(aircraft-aerospace mfg.)	193.262-026	4
RECORDING ENGINEER(phonograph; radio & tv broad.)	194.362-010	2
RECOVERY OPERATOR(paper & pulp)	552.362-018	1
RECREATIONAL VEHICLE MECHANIC(trans. equip.)	620.281-087	4
REFRIGERATION MECHANIC(any ind.)	637.261-026	3
REFRIGERATION UNIT REPAIRER(refrig. equip.)	637.381-014	3
RELAY TECHNICIAN(light, heat, & power)	821.261-018	2
RELAY TESTER(light, heat, & power)	729.281-038	4
REPAIRER, HAND TOOLS(cut. & tools)	701.381-010	3½
REPAIRER, HEAVY(auto. mfg.)	620.381-022	2
REPAIRER I(chem.)	630.261-018	4
REPAIRER, WELDING EQUIPMENT(welding)	626.381-022	2
REPRODUCTION TECHNICIAN(any ind.)	976.361-010	1
RESEARCH MECHANIC(aircraft-aerospace mfg.)	002.280-010	4
RETICLE INSPECTOR(electronics; inst. & app.; optical goods)	719.361-010	7
RETOUCHER, PHOTOENGRAVING(print. & pub.)	970.381-030	5
RIGGER(any ind.)	921.260-010	2
RIGGER(ship & boat bldg. & rep.)	806.261-014	2
ROCKET-ENGINE-COMPONENT MECHANIC(aircraft-aerospace mfg.)	621.281-030	4

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
ROCKET-ENGINE MECHANIC(aircraft-aerospace mfg.)	693.281-026	4
ROLLER ENGRAVER, HAND(print. & pub.)	979.681-018	2
ROLL THREADER OPERATOR(nut & bolt)	619.462-010	1
ROOFER(const.)	866.381-010	3
ROTOGRAVURE-PRESS OPERATOR(print. & pub.)	651.362-026	4
RUBBERIZING MECHANIC(any ind.)	630.281-030	4
RUBBER STAMP MAKER(pen & pencil)	733.381-014	4
RUBBER TESTER(rubber goods; rubber tire & tube)	559.381-014	4
RUG CLEANER, HAND(clean. dye, & press.)	369.384-014	1
SADDLE MAKER(leather prod.)	783.381-026	2
SAFE-AND-VAULT SERVICE MECHANIC(bus.serv.;whole tr.)	869.381-022	4
SALESPERSON, PARTS(ret. tr.; whole. tr.)	279.357-062	2
SAMPLE-BODY BUILDER(auto. mfg.)	693.380-014	4
SAMPLE MAKER, APPLIANCES(elec. equip.)	600.280-054	4
SAMPLE STITCHER(garment)	785.361-018	4
SANDBLASTER, STONE(stonework)	673.382-010	3
SAW FILER(any ind.)	701.381-014	4
SAW MAKER(cut. & tools)	601.381-034	3
SCALE MECHANIC(any ind.)	633.281-026	4
SCREW-MACHINE OPERATOR, MULTIPLE SPINDLE(mach. 'shop)	604.382-010	4
SCREW-MACHINE OPERATOR, SINGLE SPINDLE(mach. shop)	604.382-014	3
SCREW-MACHINE SET-UP OPERATOR, PRODUCTION(mach. shop)	604.380-022	4
SCREW-MACHINE SET-UP OPERATOR, SINGLE SPINDLE (mach. shop)	604.280-018	3
SCRIPT SUPERVISOR(motion pic.; radio & tv broad.)	201.362-026	1½
SERVICE MECHANIC(auto. mfg.)	807.381-022	2
SEWING-MACHINE REPAIRER(any ind.)	639.281-018	3
SHEET-METAL WORKER(any ind.)	804.281-010	4
SHIPFITTER(ship & boat bldg. & rep.)	806.381-046	4
SHIPWRIGHT(ship & boat bldg. & rep.)	860.381-058	4
SHOEMAKER, CUSTOM(boot & shoe)	788.381-014	3
SHOE REPAIRER(per. serv.)	365.361-014	3
SHOP TAILOR(garment; ret. tr.)	785.361-022	4
SIDEROGRAPHER(print. & pub.)	979.381-030	5
SIGNAL MAINTAINER(r.r. trans.)	822.281-026	4
SIGN ERECTOR I(signs)	869.381-026	4
SIGN WRITER, HAND(any ind.)	970.281-022	
SILK-SCREEN CUTTER(any ind.)	979.681-022	3
SILVERSMITH(silverware)	700.281-022	3
SKETCH MAKER I(print. & pub.)	979.381-034	5
SKETCH MAKER II(print. & pub.)	972.381-018	4
SKIN FITTER(aircraft-aerospace mfg.; air trans.)	806.381-054	4
SMALL ENGINE MECHANIC(any ind.)	625.281-034	2
SOFT-TILE SETTER(const.; ret. tr.)	861.381-034	3
SOIL-CONSERVATION TECHNICIAN(gov. ser.)	040.261-580	3
SOLDERER(jewelry)	700.381-050	3
SOUND MIXER(motion pic.; phonograph; radio&tv broad.)	194.262-018	4
SOUND TECHNICIAN(any ind.)	829.281-022	3
SPINNER, HAND (any ind.)	619.362-018	3
SPRING COILING MACHINE SETTER(spring)	616.260-018	4
SPRING MAKER(spring)	616.280-010	4

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
SPRING-MANUFACTURING SET-UP TECHNICIAN(clock & watch)	619.280-018	4
SPRING REPAIRER, HAND(auto. serv.)	619.380-018	4
STAINED GLASS ARTIST(profess. & kind.)	142.061-054	4
STATIONARY ENGINEER(any ind.)	950.382-026	4
STATION INSTALLER-AND-REPAIRER(tel. & tel.)	822.261-022	4
STEAM SERVICE INSPECTOR(light, heat, & power)	862.361-022	4
STEEL-DIE PRINTER(print. & pub.)	651.382-030	4
STENCIL CUTTER(loco. & car bldg. & rep.)	970.381-038	2
STEREOTYPER(print. & pub.)	974.382-014	6
STOKER-ERECTOR-AND-SERVICER(any ind.)	637.281-014	4
STONE CARVER(stonework)	771.281-014	3
STONECUTTER, HAND(stonework)	771.381-014	3
STONE-LATHE OPERATOR(stonework)	674.662-010	3
STONEMASON(const.)	861.381-038	3
STONE POLISHER, MACHINE(stonework)	673.382-018	2
STONE SETTER(jewelry; optical goods)	700.381-054	4
STREET-LIGHT SERVICER(light, heat, & power)	824.381-010	4
STRIPPER(print. & pub.)	971.381-050	5
STRUCTURAL-STEEL WORKER(const.)	801.361-014	3
SUBSTATION OPERATOR(light, heat, & power)	952.362-026	4
SUPERCARGO(water trans.)	248.167-010	2
SURFACE-PLATE FINISHER(stonework)	775.281-010	2
SWITCHBOARD OPERATOR(light, heat, & power)	952.362-034	3
TANK SETTER(petrol. prod.)	801.361-022	2
TAP-AND-DIE MAKER TECHNICIAN(clock & watch)	601.280-034	4
TAPE-RECORDER REPAIRER(any ind.)	720.281-014	4
TAXIDERMIST(profess. & kind.)	199.261-010	3
TECHNICIAN, SUBMARINE CABLE EQUIPMENT(tel. & tel.)	822.281-034	2
TELEVISION-AND-RADIO REPAIRER(any ind.)	720.281-018	4
TELEVISION-CABLE INSTALLER(any ind.)	821.281-010	1
TEMPLATE MAKER(any ind.)	601.381-038	4
TEMPLATE MAKER, EXTRUSION DIE(mach. shop)	601.280-038	4
TERRAZZO WORKER(const.)	861.381-046	3
TEST ENGINE OPERATOR(petrol. refin.)	029.261-018	2
TESTING-AND-REGULATING TECHNICIAN(tel. & tel.)	822.261-026	4½
THERMOMETER TESTER(inst. & app.)	710.384-030	1
TILE SETTER(const.)	861.381-054	3
TINTER(paint & varnish)	550.381-014	2
TOOL-AND-DIE MAKER(mach. shop)	601.280-046	4
TOOL DESIGNER(profess. & kind.)	007.061-026	4
TOOL-DRAWING CHECKER(aircraft-aerospace mfg.)	007.167-022	4
TOOL GRINDER I(any ind.)	701.381-018	3
TOOL GRINDER OPERATOR(mach. shop)	603.280-038	4
TOOL-MACHINE SET-UP OPERATOR(mach. shop)	601.280-054	3
TOOL MAKER(mach. shop)	601.280-042	4
TOOL MAKER, BENCH(mach. shop)	601.281-026	4
TRACTOR MECHANIC(auto. serv.)	620.281-058	4
TRANSFORMER REPAIRER(any ind.)	724.381-018	4
TRANSMISSION MECHANIC(auto. serv.) (Automotive Specialty Shops only)	620.281-062	2
TREATMENT-PLANT MECHANIC(waterworks)	630.281-038	3

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE
by
THE BUREAU OF APPRENTICESHIP AND TRAINING

TITLE	DOT CODE	TERM in YEARS
TREE SURGEON(agric.)	408.181-010	3
TROUBLE LOCATOR, TEST DESK(tel. & tel.)	822.361-030	2
TROUBLE SHOOTER II(light, heat, & power)	821.261-026	4
TRUCK-BODY BUILDER(auto. mfg.; auto. serv.)	807.281-010	4
TRUCK-CRANE OPERATOR(any ind.)	921.663-062	1
TRUCK DRIVER, HEAVY(any ind.)	905.663-014	1½
TUNE-UP MECHANIC(auto. serv.)	620.281-066	2
TURBINE OPERATOR(light, heat, & power)	952.362-042	4
TURRET-LATHE SET-UP OPERATOR, TOOL(mach. shop)	604.280-022	4
UPHOLSTERER, INSIDE(furn.)	780.681-010	3
VIOLIN MAKER, HAND(musical inst.)	730.281-046	4
WALLPAPER PRINTER I(wallpaper)	652.662-014	4
WARDROBE SUPERVISOR(amuse. & rec.)	346.361-010	2
WASTE-TREATMENT OPERATOR(chem.)	955.382.014	2
WASTEWATER-TREATMENT-PLANT OPERATOR(sanitary serv.)	955.362-010	2
WATCH REPAIRER(clock & watch)	715.281-010	4
WATER TREATMENT-PLANT OPERATOR(waterworks)	954.382-014	2
WEATHER OBSERVER(profess. & kind.)	025.267-014	2
WEB-PRESS OPERATOR(print. & pub.)	651.362-030	4
WELDER, ARC(welding)	310.384-014	4
WELDER, COMBINATION(welding)	319.384-010	3
WELDER-FITTER(welding)	319.361-010	4
WELDING-MACHINE OPERATOR, ARC.(welding)	310.382-010	3
WELL-DRILL OPERATOR(const.)	059.362-010	4
WIND-INSTRUMENT REPAIRER(any ind.)	730.281-054	4
WIND-TUNNEL MECHANIC(aircraft-aerospace mfg.)	827.381-014	4
WINE MAKER(vinous liquors)	183.161-014	2
WIRER(office mach.)	729.281-042	2
WIRE SAWYER(stonework)	677.462-014	2
WIRE WEAVER, CLOTH(wirework)	616.382-014	4
WOOD-TURNING-LATHE OPERATOR(woodworking)	664.382-014	1
X-RAY EQUIPMENT TESTER(any ind.)	729.281-046	2



SAMPLE CERTIFICATES



SAMPLE APPRENTICE REGISTRATION CARD

**STATE OF NEW JERSEY -- DEPARTMENT OF EDUCATION
TRENTON**

THIS IS TO CERTIFY THAT

.....
having entered into an approved agreement with the firm of
.....
located in....., New Jersey, has been registered with New
Jersey Department of Education, in conformity with the State Plan for
Vocational Education, as a bona fide apprentice in the following trade
.....

Date of Registration Registration Number.....

STATE APPRENTICESHIP
Assistant Commissioner of Education
NJDE 521-10 (4/75)



