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ABSTRACT

In 1974, the State Board for Community Colleges outlined a series of five projects to be funded with Part B, federal funds for a period of five years. This report provides an overview of each project, outlines the problem, states project objectives, and summarizes preliminary results and future activities. Projects relate to occupational programs at the community college level and include: (1) improving articulation of programs; (2) developing a management information system; (3) implementing an evaluation system; (4) investigating the feasibility of a statewide system of career information for students; (5) improving the quality of orientation, advisement, counseling, career development and placement. Financial data are given and appended. They include: a proposal to study the feasibility of a vocational-technical center in Baltimore County: proceedings of a workshop to formulate a proposal for an integrated curriculum between the colleges and high schools in data processing education; Comprehensive Career Information Systems Committee meetings minutes; data file structures of two program and occupational codes crosswalks; a pilot sample printout of the Program Data Monitoring System; and pilot implementation of the Career Program Evaluation Model. (NHM)

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THE IMPROVEMENT OF OCCUPATIONAL EDUCATION IN MARYLAND

A PROGRESS REPORT

JULY 1, 1974 - JUNE 30, 1975

DIRECTED BY: MARYLAND STATE BOARD FOR COMMUNITY COLLEGES

FUNDING GRANTED BY: DIVISION OF VOCATIONAL-TECHNICAL EDUCATION
MARYLAND STATE DEPARTMENT OF EDUCATION

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JUNE 30, 1975

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PREFACE

The relationship between the State Board for Community Colleges and the Bivision of Vocational-Technical Education of the State Department of Education has evolved over the past few years into a team effort to improve the quality of career education in Maryland. The willingness of the Division to participate in various community colleges projects has strengthened the colleges occupational offerings.

In May 1974 the staff of the State Board-for Community Colleges outlined a series of five projects designed to further improve the quality of postsecondary occupational education in Maryland. On July 26, 1974 the Division agreed to fund these projects with Part B, Federal Funds, for a period of five years.

Each community college is to be commended for the positive spirit demonstrated as progress is made toward implementing the objectives of each project. This report provides an overview of each project, outlines the problem, states the objectives of the project, and summarizes preliminary results and future activities. The State Board intends to issue annual progress reports with a final report to be published at the conclusion of the five-year period.

Alfred C. Gennids

ALFRED C. O'CONNELL EXECUTIVE DIRECTOR

PROJECT I. IMPROVING ARTICULATION OF OCCUPATIONAL PROGRAMS AT THE SECONDARY AND POSTSECONDARY LEVELS - A Progress Report - July 1, 1974-June 30, 1975

The Maryland community colleges over the past five years have virtually separated from the local public school systems. This phenomena, in some cases stimulated by expansive community college growth, is evidenced by the fact that currently only one community college in Maryland (Garrett) is still governed by a board which also governs the local public schools. As community colleges have become identified with "higher education," they have correspondingly lost the coordination they formerly had with the local public schools. Formal separation permits the development without mutual planning between the local public schools and the colleges. Thus, students graduating from high school may lose the opportunity of entering a closely articulated high school-community college occupational program. Also, duplication of courses, duplication of content, and loss of time in completing the programs ultimately result in inefficient use of the total resources of the State.

PROJECT OVERVIEW

Statement of the Problem

The Statewide Master Plan for Community Colleges in Maryland 1973-1983 speaks to this issue as follows:

Secondary schools in Maryland are recognized nationally for their forward movement in the field of occupational education. Close coordination with local high schools in the development and expansion of occupational offerings will result in an upgrading of occupational education for both the schools and the community colleges. Coordination will also result in more varied levels of entry into community college occupational programs. It is recommended, therefore, that community colleges take positive action to develop coordinated occupational programs with those offered in the secondary schools.

Paragraph 4, page II-86 of the Maryland State Plan for the Administration of the Vocational-Technical Education Programs Under the Vocational Education Amendments of 1968 requires that secondary and postsecondary institutions "provide and continue to expand a comprehensive system of occupational education serving all persons in need of occupational preparation through utilization of all available resources which offer such preparation."

The problem is that a mechanism has not been developed to insure that occupational programs, where appropriate, developed in the community colleges are logical extensions of those developed in secondary schools.

Objectives

Objectives of this project on a year-by-year basis are:

- Identification of all occupational programs offered by both secondary schools and community colleges for each political subdivision in Maryland; Year 1
- Comparison of these programs using the following as indices of program comparison: program objectives, student admission requirements, student enrollment data, and program outcomes; Year 2
- Information structured into a format for inclusion into the data systems of both the State Board for Community Colleges and the Division of Vocational-Technical Education; Year 2
- Development and implementation of a model curriculum incorporating the concept of grades 11 through 14 which may also provide flexibility for students to enter a program in grade 12 to be completed at the community college; Year 3
- Appropriate recognition by the college of work accomplished by students in secondary school programs;
- Development of in-service training programs for instructional staff at both secondary and postsecondary school levels.

PRELIMINARY RESULTS

The first major aspect of this project, completed during the first year, was the identification of all occupational programs offered by both secondary schools and community colleges for each Maryland political subdivision. This information was then structured into a format for inclusion into the State Board for Community Colleges' and the Division of Vocational-Technical Education's data systems. To date, the State Board has succeeded in establishing a computer based data file containing for each political subdivision both community college occupational program data and high school vocational program data. Specifically, this file is structured as follows:

Political subdivision
Community college
HEGIS program number and title
Enrollment by attendance status, 1971-1973
Level of formal awards
Number and type of formal awards, 1971-1973

High school vocational center
USOE, program number and title
Enrollment by attendance level, 1971-1973
Completions, 1971-1974

The establishment of this file will facilitate comparison of program objectives, student admission requirements, student enrollment data, and program outcomes.

- In addition to the work completed on the data system, the State Board for Community Colleges also received two proposals from Baltimore County which were funded by the State Board and scheduled for completion during 1975-1976. These two proposals, which are contained as appendices A and B in this progress report, were:
 - A. A proposal to study the feasibility of opening a vocationaltechnical center in an accessible location for the three community colleges of Baltimore County;
 - B. A workshop designed to formulate a proposal for an integrated curriculum between the colleges and high schools in data processing education.

Reports emanating from these studies will be contained in next year's progress report.

FUTURE ACTIVITIES

During the next fiscal year the State Board intends to thoroughly analyze data compiled within the management information system of the State Board for Community Colleges to determine areas of Maryland where greater secondary school-community college articulation is needed. The State Board intends to provide funds for projects similar to that currently being conducted in Baltimore County to improve specific occupational program articulation.

In addition, the State Board will provide computer data information to all vocational-technical schools and community colleges to assist them in making future occupational program decisions.

Brent M. Johnson Project Director

PROJECT /II. DEVELOPING A MANAGEMENT INFORMATION SYSTEM FOR OCCUPATIONAL PROGRAMS - A Progress Report - July 1, 1974-June 30, 1975

This report discusses the status and progress of the State Board for Community Colleges' efforts in developing uniform procedures for translating quantitative representations of community college occupational program activities into USOE data reporting codes. Specifically, the report concentrates on those activities undertaken to establish a "crosswalk" between the United State Office of Education (USOE) Handbook VI coding system and the National Center for Educational Statistics (NCES) Higher Education General Information Survey (HEGIS) discipline classification system.

PROJECT OVERVIEW

Statement of the Problem

In order to effectively evaluate and recommend future directions in occupational programs, the decision maker must have access to timely and accurate data. An investigation into the current state of the art in Maryland reveals a fragmented and uncoordinated flow of data between and among community colleges and various State agencies. The Division of Vocational-Technical Education (DVTE) requires various information from the community colleges to meet federal funding requirements. In far too many instances the college response to the DVTE data requests is "data not available." This same problem has existed for the State Board for Community Colleges (SBCC) since its inception in 1968. Article 77A, Section 8-d(d) of The Annotated Code of Maryland charges the State Board for Community Colleges with the responsibility "to establish and maintain a system of information and accounting of community college activities."

Objectives

The primary result of this project will be the development of a State-level community college management information system which will facilitate response to data needs for occupational program information of the Division of Vocational-Technical Education, the State Board for Community Colleges, and other State and federal agencies.

Establishment of this management information system (MIS) will serve to alleviate the burden of dual coding system reporting which now exists at the institutional level.

These desired results are consistent with the State Vocational Plan of FY 1975 wherein the stated goal, objective, and related activities implicitly call for more and better information to continue and expand planning and reporting of vocational education services in the State. (Maryland State Plan for the Administration of the Vocational-Technical



Education Programs Under the Vocational Education Amendments of 1968, -pages II-86-87.)

Procedures

One of the major procedures that will be developed and implemented under this proposal is a crosswalk between the current USOE program coding structure (Handbook VI) and the HEGIS discipline taxonomy. Since there is not an uniform conversion adopted at the national level, Maryland will build on the works of the state of Florida (Instructions for Converting Occupational Courses to the Florida Community College Course Numbering System, Department of Education, Division of Community Colleges, Tallahassee, Florida, January 1972) and the state of California (Classification of Instructional Disciplines, California Community Colleges, Sacramento, California, January 1973).

This effort will be conducted by building two data files, one containing the "Florida USOE-HEGIS Match" and the other containing the "California USOE-HEGIS Match." (See Diagram 1, page 6.) Computer analysis will be utilized to determine if the Florida effort and the California effort are compatible in attempting to match USOE to HEGIS. Once this comparison has been made and the inconsistencies are either corrected or deleted, an unitary USOE-HEGIS match will be structured into an interaction computer-based data file for use in crosswalking Maryland community college occupational program activity from HEGIS codes to USOE codes.

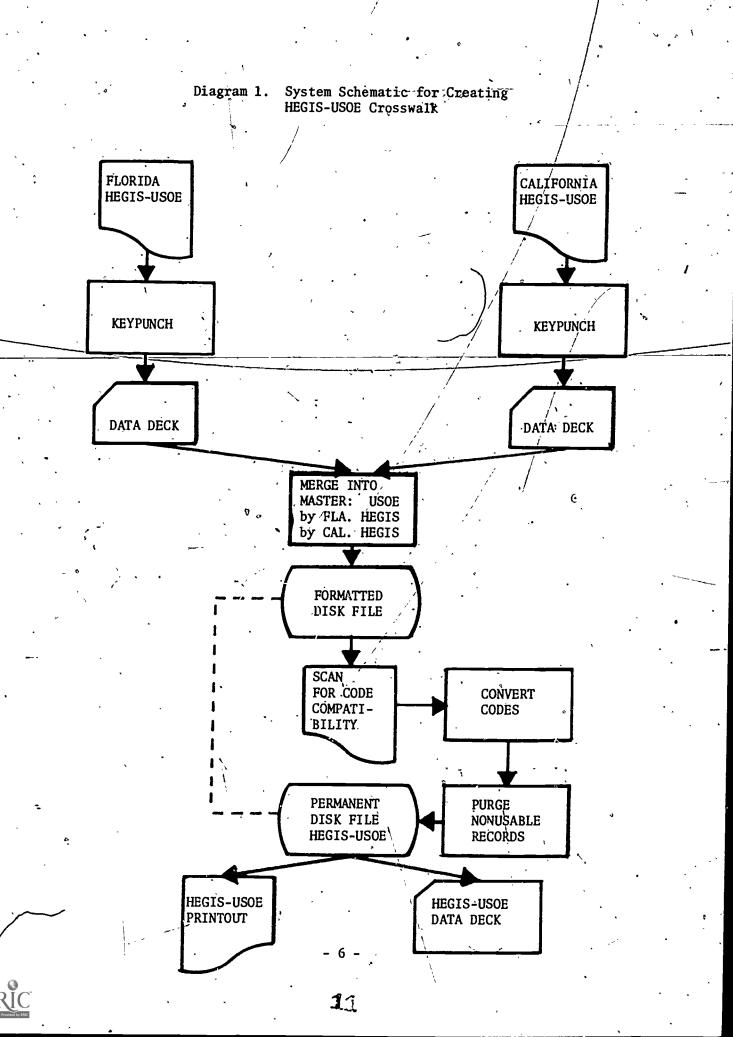
Once this crosswalk has been developed and implemented, the State Board will report results of its cost analysis system and its student followup study by USOE program code classification. Further, the State Board for Community Colleges will then attempt to match HEGIS discipline codes to Dictionary of Occupational Titles (DOT) codes. (See Diagram 2, page 7.) This match will be accomplished by using the unitary computer-based USOE-HEGIS data file and a computer-based USOE-DOT/file structured from Vocational Education and Occupations, U. S. Department of Health, Education, and Welfare, Washington, D. C., Government Printing Office, 1969. From this effort an unitary computer-based HEGIS-USOE-DOT data file will be structured. This file will eventually allow the State Board for Community Colleges and the community colleges to utilize manpower projections in planning future occupational programs in the State of Maryland.

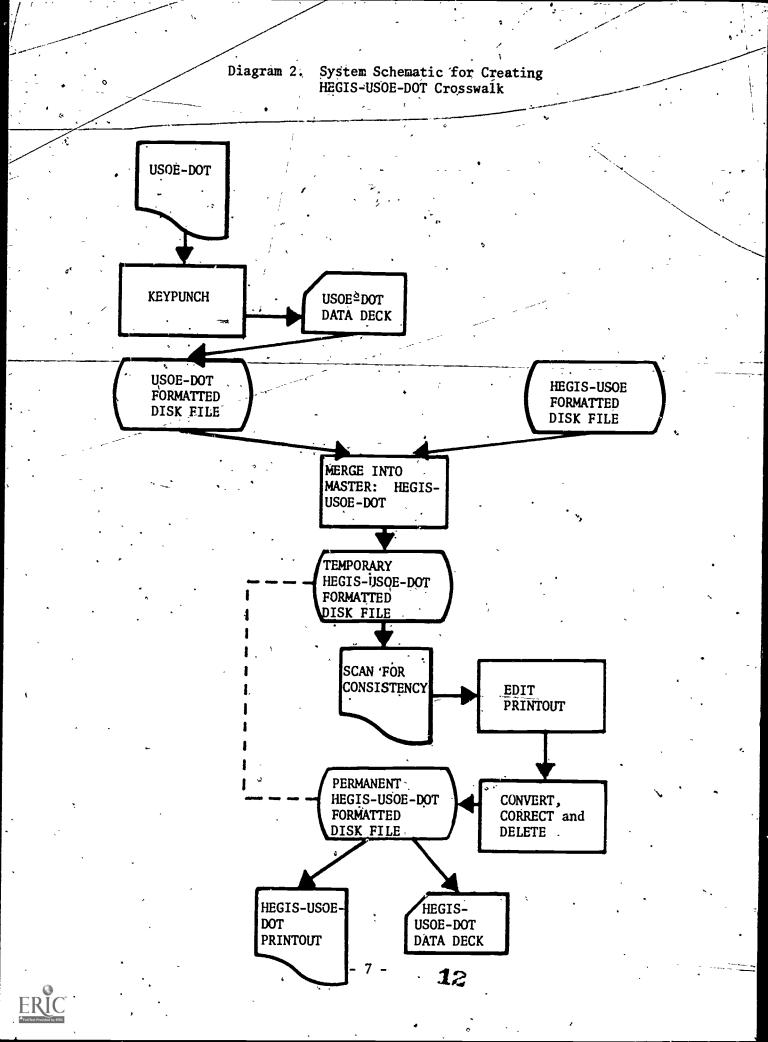
After developing these data files, the State Board will then render several of its proposed and ongoing activities in the areas of student follow-up, cost analysis, and occupational program monitoring into USOE reporting codes and formats.

PRELIMINARY RESULTS

In the first year of the MIS project, the SBCC has put priority on the establishment of the HEGIS-USOE-DOT crosswalk. For the most part, this effort has been accomplished. Appendix C is a computer printout of the effort to consolidate and validate the Florida HEGIS-USOE and the California HEGIS-USOE crosswalks. One area of concern in the consolidated







crosswalk is the use of USOE code category 16.00 00 00 00, technical education. It is felt, both by the DVTE and the SBCC, that this classification is tautological in its use.

The second crosswalk was a straightforward computer based file structuring of work done by the U. S. Office of Education and the Department of Labor in 1969. Appendix D shows the results of the computer match between the HEGIS-USOE file and the USOE-DOT file which yielded the HEGIS-USOE-DOT data file.

These two appendices (C and D) evidence the existence of two interactive computer-based data files which are now the basis for moving between and among USOE data codes, HEGIS data codes, and DOT data codes.

FUTURE ACTIVITIES

Three major activities will be undertaken in fiscal years 1976 and 1977. The first of these efforts will involve an expansion of the "crosswalks" into the manpower planning area. The SBCC will work closely with the Division of Vocational-Technical Education and the Department of State Planning in developing information systems which relate occupational training programs to manpower supply and demand projections.

A second effort will deal with implementing a budget simulation model to be used in a cost analysis mode which will provide an accounting of community college expenditures in both transfer and occupational instruction programs. Currently, the State Board is working with the Florida Community College Inter-Institutional Research Council to acquire the computer system documentation and user's manuals for its IRC Computer Budget Simulation Model. Once this system has been acquired, three colleges will participate on a voluntary basis in a pilot project to implement the "model" at the institutional level.

The third effort will involve reporting the results of the 1970 and 1971 student follow-up studies of first-time students in Maryland community colleges by USOE program data codes. This will allow for analysis of student success on a program basis.

Rodney G. Hurley Project Director PROJECT III. IMPLEMENTATION OF A SYSTEM FOR THE EVALUATION OF OCCUPATIONAL PROGRAMS IN MARYLAND'S COMMUNITY COLLEGES - A Progress Report - July 1, 1974-June 30, 1975

In 1972 the Assistant State Superintendent of the Division of Vocational-Technical Education and the Executive Director of the State Board for Community Colleges jointly formed a committee charged with the responsibility of developing a mechanism for evaluating occupational programs in the Maryland community colleges. In September 1975 the State Board approved the Career Program Evaluation Manual developed by the committee as one mechanism for evaluating career programs in Maryland community colleges.

The evaluation system is based on two primary levels of data. The State Board for Community Colleges will menitor "Level I" data which is quantitative in nature and routinely filed with the State Board. If Level I data suggest that a more in-depth analysis should be undertaken, the State Board will request that the institution conduct a "Level II" study of the particular program(s). The college president will report any action taken in response to a Level II analysis and the rationale for such action to the State Board.

Concurrently with the development of the Evaluation Manual, the State Board and the Division of Vocational-Technical Education developed a Program Proposal Manual for all new community college programs. This manual provides a common format for new program submission and identifies elements and information needed by State agencies in the evaluation and review of program proposals.

, PROJECT OVERVIEW

Statement of the Problem

The responsibility of occupational program evaluation is clearly indicated in the Statewide Master Plan for Community Colleges in Maryland 1973-1983 which states:

As new occupational programs are introduced, the resultant strain upon societal and institutional resources will require a reassessment and evaluation of existing programs. Programs which fail to meet stated objectives must be modified or deleted by local boards of trustees.

Paragraph 3, page II-116 of the Maryland State Plan for the Administration of the Vocational-Technical Education Programs Under the Vocational Education Amendments of 1968 requires that postsecondary institutions "dez velop, implement, and maintain an evaluation system that will insure the effectiveness of instructional programs and services."

Occupational programs in Maryland community colleges have not been evaluated using consistent and uniform standards. Program evaluation would be implemented to insure program quality, efficiency, and effectiveness.

Objectives

- Publication and dissemination of the Career Program Evaluation Manual; Year 1
- Incorporation of Level I data into the SBCC and the DVTE data systems with resultant reports forwarded to colleges and local boards of trustees; Years 1-5
- Analysis and State level evaluation of Level I data; Years 1-5
- Community college evaluation of selected occupational programs using an approved mechanism and the forwarding of the results of such evaluations to the SBCC and the DVTE; Years 2-5
- State Beard for Community Colleges and the Division of Vocational-Technical Education assistance to the colleges in program evaluation to be provided as requested.

PRELIMINARY RESULTS.

The Career Program Evaluation Manual was published and distributed to all community colleges in Maryland. In addition, the Maryland community college Program Proposal Manual was implemented and distributed to all community college program planners.

During the period July 1974 through June 1975, initiation of the design and development of a computerized Program Data Monitoring System was begun. This data system for occupational programs contains the requisite data file structure containing appropriate data codes for "linkages."

Appendix E contains a pilot sample printout of the Program Data Monitoring System which presents information from six data files:

- Student program enrollments;
- Community college program inventory;
- Community college degrees and certificates awarded;
- Multi-level manpower projections;
- Student follow-up study data;
- Community College discipline cost analysis data.

Data contained in this appendix is a sample data for illustrative purposes only.

A conference will be held in Fall 1975 with representatives of each college to discuss this proposed data monitoring system and to seek methods to improve it.

In April 1975 the State Board for Community Colleges granted \$930.60 to Harford Community College to serve as a pilot institution in implementing the Career Program Evaluation Model. Appendix F describes the project and details the programs to be examined. A final report on this project will be delivered to the State Board in October 1975. The results of this project will be contained in the next progress report developed by the State Board for Community Colleges.

FUTURE ACTIVITIES

During the next year the State Board for Community Colleges will continue to develop and implement its Program Data Monitoring System. It is expected that this system will be operational at the end of the next fiscal year to allow for quantitative assessment of occupational programs by the State Board for Community Colleges and the individual institutions. The State Board also plans to urge qualitative program evaluations within individual colleges and to provide seed money to stimulate such efforts.

Brent M. Johnson Project Director

PROJECT IV. INVESTIGATION OF THE FEASIBILITY AND LIMITED DEVELOPMENT OF

A STATEWIDE SYSTEM OF CAREER INFORMATION FOR STUDENTS IN

MARYLAND'S COMMUNITY COLLEGES - A Progress Report - July 1,

1974-June 30, 1975

As originally conceived, this project was not planned to begin until FY 1977. In 1974, the State Board for Community Colleges proposed to the Division of Vocational-Technical Education that it consider modifications to the approved project which would accelerate and broaden activities in this area in order to capitalize on current interest expressed by the community colleges. In response to this suggestion, a high-level Statewide steering committee was established jointly by the SBCC and the DVTE to examine the possibilities of a unified Statewide effort in career information after consideration of all available systems and modes.

For purposes of clarity, this report capsulizes both the original and suggested modifications to Project IV.

PROJECT OVERVIEW

Statement of the Problem (Original)

Occupational programs in the community colleges are primarily designed for immediate job entry rather than continuation of educational studies. As the credential worth of degrees in general continues to decrease, additional students will be seeking programs which have the capability for immediate and meaningful career opportunities.

Although each community college currently supports placement activities, neither these offices nor placement offices elsewhere nationally have available to them the amount of information with which to aid students in achieving maximal career development. The science of manpower prediction has not been sufficiently developed, nor has an etiology of successful job-search strategies emerged.

The task at hand needs immediate attention along three primary routes:

- Development of a data base on current and projected availability of positions in specific occupations--locally and regionally;
- Design of a crosstabulation of these positions with occupational/requirements (suggested major, personal characteristics, interests, etc.) and conditions of employment (location, salary, opportunities for promotion, etc.);
- Establishment of a means of communicating this information directly to students, counselors, and other professional workers.

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Once such information is available and communicated, students and counselors can direct their attention to determining the most expeditious way for the student to seek and secure appropriate employment. Such a career information system of accurate and timely data would not only assist the community colleges to provide a pool of trained manpower to meet the diverse needs of the State's economy, but it would also provide information not currently available for the use of academic program planners in the development of program proposals. This project derives from the priorities stated in Section 1a, page II-87 of the Maryland State Plan for the Administration of the Vocational-Technical Education Programs Under the Vocational Education Amendments of 1968.

Statement of the Problem (Revised)

While the computer has become a fact of life in modern society, its potential in education has nowhere been adequately tapped. Beginning in the early sixties, educational institutions came to rely heavily on computerized record systems for billing, transcripts, payrolls, and the like. While such use provides efficient service and frees educational manpower for other tasks, it is more central to institutional maintenance and entirely peripheral to the educational process itself.

The challenge of the seventies has been to use the vast resources of technology in computer-assisted instruction and counseling. In terms of automated counseling technology, there has been a severe lag between even existing software packages and knowledge of these innovations by front-line practitioners. The situation is even more critical in terms of state-of-the-art emerging possibilities.

Certain noteworthy programs have been developed to harness computer technology for use in student occupational exploration, vocational decision making, and career development. Examples of the species include Donald Super's work for IBM called Educational and Career Exploration System (ECES), Martin Katz's ETS product known as System of Interactive Guidance and Information (SIGI), and JoAnn Harris-Bowlsbey's Computerized Vocational Information System (CVIS) developed at Willowbrook High School in Illinois.

CVIS appears to be one of the most practical programs to implement in Maryland for a number of reasons. First, the software is in the public domain. Second, the program is capable of a large amount of local modification. Third, the package has the ancillary benefit of providing many administrative uses, including the capability for on-line registration. Most importantly, however, a great amount of work has already been done by Charles County Community College in developing, modifying, and evaluating its use in a Maryland institution.

The efforts of Charles County Community College are commendable; and the best compliment that can be given their work is to provide a mechanism for sharing the insight they have gained with other community colleges and secondary schools in the State.

In recent years, a number of important attempts have been made to articulate programs between grades 12 and 13 and between grades 14 and 15 of a

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student's educational experience. Many of these efforts have been successful in developing relatively adequate linkages. The need is particularly essential in terms of certain costly occupational programs.

While the effort to increasingly articulate programs needs to continue, it is important at this point in time to provide a systematic mechanism for transmitting to students what information is available on integrated cross-institutional programs, acceptable course offerings, options for "testing out" (e.g., CLEP, etc.), possible credit loss, and the like. A student cannot make intelligent career or educational decisions without possession of such information.

The CVIS program at Charles County Community College was undertaken as an exemplary project; and it is exemplary in many ways. Charles was the first college of any kind in Maryland to show a solid interest and provide a firm plan for implementing CVIS in their service area. In doing so, they have paved the way for other community colleges in Maryland to enter the field and conceivably avoid many of the expensive "start-up" costs.

Exemplary projects in other places have received criticism for not being capable of or amenable to exportation to other sites. This is definitely not the case at Charles. What is needed is a limited amount of initial funds to make minimal modifications for use at other sites (e.g., in job listings for other regions) and for colleges to start the program. Participating colleges would be responsible for assuming all operating and capital costs after the second year of implementation.

Objectives

To provide the framework for a systematic and well conceived participation by the State of Maryland in the provision of career and manpower information and development for students, a committee was appointed by the State Board for Community Colleges and the Division of Vocational-Technical Education to be broadly representative of public secondary and two-year postsecondary education. Therefore, appointments to the committee included a superintendent of schools, a community college president, a dean of students, high school and college counselors, as well as representatives from the State Employment Service, the DVTE, and the SBCC.

PRELIMINARY RESULTS

The committee held its first meeting on February 28, 1975 at which time the committee received its charge from the chief administrative officers of the two co-sponsoring agencies. The committee also received copies of a survey of existing systems of career information prepared by Arthur M. Kroll of the Educational Testing Service under contract with the DVTE.

The committee decided to undertake as a course of action the examination and, where feasible, the on-site observation of available system capabilities. Thus far, the committee has heard a detailed presentation of the operation of the Southern Maryland Information System and a modification of the Computerized Vocational Information System (CVIS); has viewed the

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operation of the System of Interactive Guidance and Information (SIGI) at Educational Testing Service, Princeton, New Jersey; and has observed the preliminary development of Project DISCOVER at Western Maryland College, Westminster.

FUTURE ACTIVITIES

It is anticipated that the committee will examine at least one additional model, the Guidance Information System (GIS-II) developed by Time-Share Corporation of Hartford, Connecticut. Following this, the committee will begin in-depth comparison of all possible options, including Statewide use of a single system (through central or individual site capabilities), regional development, or more localized adoption of relevant approaches.

The recommendations will be framed and transmitted to the appropriate State agencies in time for discussion and possible inclusion in the 1977 State Vocational Education Plan. In order to meet this time line, the committee will need to complete its work and submit its final report early in the Fall of 1975.

The State Board for Community Colleges has absorbed the direct costs of administering committee activities and functions. Copies of the minutes of committee sessions are included in Appendix G of this report.

Stephen D. Millman Project Director PROJECT V.

IMPROVING THE QUALITY OF ORIENTATION, ADVISEMENT, COUNSELING,

CAREER DEVELOPMENT, AND PLACEMENT OF OCCUPATIONAL STUDENTS IN

MARYLAND'S COMMUNITY COLLEGES - A Progress Report - July 1,

1974-June 30, 1975

The goals of this project are to be reached through specific attention to the need for professional development among those responsible for non-instructional programs and services for students. Through a clearer awareness of the unique needs of occupational students and a concrete model of the services necessary to complement the formal classroom experience, these personnel can then be of greater assistance to individual students.

PROJECT OVERVIEW

Statement of the Problem

Between 1970 and 1973, the State Board for Community Colleges endorsed 120 new academic programs; of these, 109 were occupational. The rapid development of occupational programs in Maryland community colleges has brought about the need for increased services for the occupational student. In particular, emphasis needs to be placed on the specification of necessary modifications to existing programs of orientation, advisement, counseling, career development and placement services, and the design of new programs for occupational students.

Increased attention and understanding of the relation of education to employment by all members of the academic community is essential. Efforts must be made to develop positive attitudes among college personnel about the life-long value of programs and services which enhance the potential for career satisfaction. The entire educational and career development process must interface with reliable, up-to-date manpower data and projections, such as that which would be available from implementation of the system proposed in Project IV.

Objectives

The State Board for Community Colleges and the Division of Vocational-Technical Education have consistently put a high priority on the creation and sustenance of high quality student services of the type here indicated. The importance of such programs is clearly stated in Section 1a, page II-99 of the Maryland State Plan for the Administration of the Vocational-Technical Education Programs Under the Vocational Education Amendments of 1968. Workshops should be initiated to determine the most effective means of making these services more viable for students in occupational programs. Such an endeavor should also stress the development of documents which provide a sound rationale for specific services to students.



The projected outcomes, therefore, are:

- Improved orientation, advisement, counseling, career development, and placement services for all students in Maryland public community colleges; Years 2-5.
- Encouragement of contact between personnel from the various campuses who are charged with the responsibility of providing these services; Years 1-5
- Increased professional development and broadened competence of campus personnel concerned with student development; Years 1-5
- Sharing of current sources of career information and framework for information not currently available; Years 1-5
- Exposure of advanced graduate students interested in student development to the concepts of career information and career development; Years 1-5
- Publication and dissemination of a source document presenting the rationale for student development services and programs. Years 1-5

PRELIMINARY RESULTS

During the project's first year, activities commenced in terms of both a source document and planned conferences. In coordination with the deans of students of Maryland community colleges, a number of working sessions were held to develop a comprehensive position paper on college student development.

On September 23 and 24, 1974 the deans of students met at the Donaldson-Brown Conference Center, Port Deposit, Maryland, to begin work on the model for the source document. The cost of the meeting was underwritten by the individual institutions. Fourteen of the sixteen colleges were represented. Preliminary drafts of the model were circulated and a committee was established to continue development. The committee made specific topic assignments to their own membership and to other selected campus personnel. Persons in each of the specific student personnel specialties were asked to comment on their areas of expertise.

The committee met again in Frederick, Maryland, on February 20 and 21, 1975. Documents were reviewed and new assignments made. The SBCC assumed the costs of this meeting.

It is currently anticipated the paper will receive its final review and revisions during the Summer of 1975 and will be published during the Fall of 1975. It will be circulated to appropriate officials. Plans call for the document to be revised periodically through 1980 in order to keep the position current.

To achieve the other objective of the project, the State Board for Community Colleges co-sponsored with the American College Testing Program an educational conference for student development personnel on May 4, 5, and 6, 1975 in Ocean City, Maryland. As part of the program, the State Board invited W. Harold Grant to address the group assembled. Grant, the Director of Student Development Services at Auburn University, has written extensively on student development themes and is currently president of the major professional association, the American College Personnel Association. Eighty staff members from Maryland community colleges attended the workshops.

Grant developed a theoretical framework for analysis of the functioning of the comprehensive community college. His point of departure was from the Latin derivation of the concept "communitas"—to be "as one with." He stressed that the expansive role of community colleges must be conceived in terms of its philosophical unity. This unity must include cognizance of the following:

- The internal college community must function as a well integrated whole;
- There must be a symbiotic relationship between the college and the surrounding community;
- All knowledge must be seen as a whole, with no field of study being viewed as more worthy than any other;
- All students and potential students must be viewed as capable of profiting from college programs and services with no restrictions placed on entrance.

An institution adopting such a stance would need to offer a variety of supportive services to maintain its commitment. Grant suggested alternative means by which such services could be provided.

The American College Testing Program presented a series of sessions on making optimal use of student and institutional data in assisting students to make important educational and career decisions. Using their well-known Midstate model of a hypothetical postsecondary institution, officials from the central office of ACT in Iowa City, Iowa, discussed how test assessment scores and student interest information could be used for college grade prediction, course placement, scheduling, and counseling.

FUTURE ACTIVITIES

As indicated, the source document on student development will be published during the coming academic year. The SBCC staff is currently examining a number of possible formats and topics for the second year conference activities.



- 18 -

One promising possibility includes the combination of a series of one-day "drive-in" workshops culminating in an end-of-the-year two-day conference. A topic already recommended is the provision of counseling and advisement service for the culturally or individually different student. The approach would suggest means of flexibly structuring programs to meet unique needs.

Stephen D. Millman Project Director

FINANCIAL DATA

Balance July 1, 1974

\$ 25,000.00

Expenditures

Technical and Special Fees	\$ 10,423.20
Travel	572.17
Contractual Services	10,001.00
Supplies and Materials	214.56
Equipment	880.95
Grants, Subsidies, and Contributions	307.25

\$ 22,399.13

Balance June 30, 1975

\$ 2,600.87

APPENDIX A

A Proposal to Study the Feasibility

of Opening A Vocational-Technical Center

in an Accessible Location

for the Three Community Colleges of Baltimore County

MARYLAND STATE BOARD FOR COMMUNITY COLLEGES

CONTRACT PROPOSAL

PROJECT TITLE:	To Study the I	easibility o	f Opening a	Post-Secondar	y Vocationa	1
Technical Cer	nter for the Thre	e Baltimore	County Com	munity Colleges		
PROJECT DESCRI	IPTION: * See At	tachment #1	,	•	• ,	
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CONTRACT PERIO	D: 15 working d	ays T	OTAL AMOUND	OF CONTRACT:	\$2000.00	
*	S: State Board	 .			d	
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PRÓPOSED BUDGE			٠	· · ·	*	
15 days x	\$100/day - Consu	ltant	\$1500	••••		· · · · · · · · · · · · · · · · · · ·
Travel, pr	inting, and other	r expenses	500	•		
, k		, T c	tal \$2000	•	,	
TERMINATION CL	AUSE(S):		1		,	
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to the perform of this project the State Board be made availab will also compl	e agency will mai ence of this cont t and will make s d for Community C ble to the State ly with all State Social Security.	cract for a pouch records colleges. A Board for Co	eriod of tavailable final summanumity Colocedures a	hree years after for audit and a ary of this pro- lleges. The re- s appropriate,	er completion inspection in oject will a esponsible a e.g., with	on by also agend hold
Submitted by:	B. A. Barringer Authorized Repre		President Title	Signatur	our -	
•	Catonsville Com		ge	April 3		<u> </u>
approved:	Community Coll Authorized Syr	ege AS	1. Ev 1	Into Da	April Do	197 etc:
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CATONSVILLE, MARYLAND 21228

PROPOSAL FOR A GRANT

PURPOSE

To study the feasibility of opening a vocational-technical center in an accessible location for the three community colleges of Baltimore County. This study would entail: (1) the location of land and/or buildings which would house a number (10 or more) of vocational programs to serve the needs of Baltimore County; (2) determine the size and number of buildings; (3) estimate the cost of land and buildings (purchase, lease, or construction), equipment, and administrative personnel required; (4) determine recommended solutions to other problems for a vocational-technical lab center for post-secondary education.

RATIONALE

Vocational-technical programs should be available to students at each of the colleges. Already, some high cost vocational programs requiring specialized facilities have been approved for Catonsville Community College, and more such programs are being developed at all three institutions. Limiting expensive programs to one specific college (i.e., Welding only at Dundalk Community College, Automotive only at Catonsville Community College, and Packaging only at Essex Community College) will immediately cause accessibility problems for students. It is assumed that the County and State are not prepared to support the construction and equipping of two facilities offcring the same programs on each side of the County. Duplication of such programs is expensive and probably would not be favored by the Board of

Trustees and the State Board for Community Colleges.

The construction or lease of such a facility would satisfy the collective demands for all three institutions for expensive space and equipment and minimize the accessibility problem for students. Each college could have a share in the expenses and utilization, allowing a particular curriculum to be offered at all three institutions. The specific curriculum design, exclusive of the specialized laboratory center courses, could still be tailored by each institution, since related and general education courses would be offered at each "home" campus.

In addition to the cost considerations in establishing such a lab center, this center would have a number of logistical difficulties and they are listed below.

1. Location:

Where is the most available and accessible place?

2. Administration:

Calendar:

Who will manage the operation of the lab

center? To whom will he/she be responsible?

What will be the scope of the responsibilities?

Each of the colleges now operates on a different

academic-year pattern. Will they have to coincide

to accommodate the lab center concept?

How will the budget of the lab center be con-

structed? Separate? Combined? Secretary-

Treasurer's budget?

5. Program
Admissions:

Budget:

How will student spaces be divided in the selection process? Who will select the students?

6. Graduation Requirements:

Each college now has slightly different graduation requirements. Will they all have to be the same for the same program?

If this center can be constructed or leased, there would be no duplication of expensive specialized buildings and equipment, and there would be no need for ancilliary facilities such as a student center, gymnasium, etc. It would also be a center which would be reasonably accessible from all extreme points within the County.

AMOUNT REQUESTED

It is suggested that \$2000 would pay for a consultant for approximately fifteen (15) working days plus expenses. If more funds are available, \$3000 would produce a more comprehensive and accurate study.

REPORT REQUIRED

A written report will be written by the consultant who will do the study.

Copies will be sent to SBCC and the community colleges of Baltimore County.

APPENDIX F

A Workshop Designed to Formulate A Proposal

for an Integrated Curriculum

between the Colleges and High Schools

in Data Processing Education

MARYLAND STATE BOARD FOR COMMUNITY COLLEGES

CONTRACT PROPOSAL

PROJECT TITL	E: Articulation of Com	munity College Dat	a Processing Curr	iculum With
High Sch	ools in Baltimore Count	· · · · · · · · · · · · · · · · · · ·	•	
PROJECT DESC	RIPTION: * See attachm	ent #1		
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CONTRACT PERI	IOD: 5 days	TOTAL AMOUNT	OF CONTRACT:	2000.00
SOURCE OF FUN	VDS: State Board		74	
•	1	for Community Colle	**	
PROPOSED BUDG	GET BREAKDOWN: * Stipend	s for 5 representat	tives at \$65/day	for 5 days\$162
(Catonsville	e Community College, Es	sex Community Colle	ege, Eastern Voc-	l'ech
	l, Dundalk Voc-Tech High	•		• ‹ · ·
222612 2011003			* *	
	Supportin	ng Costsbookkeepi	ing, typing, print	ing costs 37
TERMINATION C	CLAUSE(S): None	.		TOTAL \$200
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of the perfor of this proje the State Boa oe made avail vill also com	ple agency will maintain mance of this contract ect and will make such a rd for Community Collegable to the State Board ply with all State lews Social Security. Subm	for a period of the records available for a final summand for Community Column and procedures as	free years after of audit and inspary of this projectleges. The response appropriate.	completion pection by ct will also possible agency withhold-
submitted by:		President	10175326	
• ,	Authorized Representa	tive Title	Signature ·	
	Catonsville Community	College	April 7	, 1975
,	Community College		Date	
pproved:	Chylleny	1		
•	CC Authorized Represent	etive Title	Signature	Date
isapproved:	,			•
	SBCC Authorized Repres	entative Title	Signature	Date

ARTICULATION OF COMMUNITY COLLEGE DATA PROCESSING CURRICULUM WITH HIGH SCHOOLS IN BALTIMORE COUNTY

PROJECT DESCRIPTION:

At a recent meeting called by SECC and DVTE with representatives from Catonsville Community College, Essex Community College, Eastern Voc-Tech High School, and Western Voc-Tech High School it was decided that teaching members from the Community Colleges and the High Schools in Data Processing should work together for approximately one week during the summer to formulate a proposal for an integrated curriculum between the colleges and the high schools in Data Processing education.

At the meeting it was agreed that there seems to be some lack of coordination in subject matter being taught in Data Processing between the high schools and the community colleges. It was mentioned that few high school data processing students who entered college seem to bypass the beginning courses in the Data Processing curriculum. In some cases it was the fault of the students who did not want to take a written examination and in other cases the student failed the test. It was felt that by having an integrated curriculum, the students would be told of this before entering college and would probably look forward to trying to bypass the courses which may be similar.

This project should also provide a good chance for the faculty from the community colleges and the three high schools in Baltimore County to become acquainted, learn what materials are being taught in each school, and be able to freely call each other when a problem arises or a question needs to be answered. This project should also result in help for the vocational-technical high school graduate since it should provide a much smoother transition from the high school to the college atmosphere. By

receiving recognition for skills and competencies acquired at the high school the amount of program duplication for the student would be minimized.

A report will be written by the participants which would show what was accomplished in the areas of curriculum development. Course outlines for courses which a student should attempt to bypass for credit at the college level would be a part of the report. Specific objectives of what a high school graduate can do in Data Processing should be written for the benefit of the college representatives.





APPENDIX C

Data File Structure

of HEGIS-USOE Program Codes Crosswalk .

		*		
	HEGIS	•	,	
	NO. TITLE 5000APPLIED ECONOMICS	1ST USOF # 15060000	2ND USDE #	3RD USDE #
	5000APPLIED COMMUNICATIONS	03060200	05040201	
-	,5000TECHNICAL REPORTING	14049900		
Ç,	5002ACCOUNTING AND COMPUTING	14010000		
`	5003FINANCE AND CREDIT	04040000		• •
•	5004APPAREL ÁND ACCESSORIES	04020000	* *	
	5004AVIATION GROUND OPERATIONS	17040300		•
	5004AUTOMOTIVE (DISTRIBUTIVE)	04030000		
	5004INSURANCE	04130000	•	• •
	5004HARDWARE, BLDG, MAT, FARM SUP & EQUIP	04090000	,	
٠.	5004HOME FURNISHINGS	04100000	*	•
	-5004MARKETING MANAGEMENT	04000029	•	^
	5004INDUSTRIAL MARKETING	04120000		
	5004GENERAL MERCHANDISE 5004MARKETING	04080000		
,	5004MARRETING 5004F00D DISTRIBUTION	04000010) mar	, ,
	5004INTERNATIONAL TRADE	04060000		• · · · ·
	5004FNOD SERVICES (DISTRIBUTIVE)	04140000		
	5004FLORISTRY	04070000	v	•
		04050000	•	, *
		14060000		
	5004PETROLEUM	04160000	16011600	
•	5004SUPERVISORY AND ADMINISTRATIVE MANAGEMENT	14080000	Q3260000	03230000
	5004REAL ESTATE	04170000		
	5005FILING, OFFICE MACHINES, & GEN OFF CLERICAL 5005TYPEWRITING		•	4
		14090000		•
		14070000 17260100 -	*	•
	5006FABRIC MAINT	17160000	. •	• •
٠	5006COSMETOLOGY	17260200	۰.	
	5006PERSONAL SERVICES	17269900		*
	·	17090000	v	
	5008BUSINESS INFORMATION COMMUNICATION	14040000		,
	5008RADIO/TELEVISION	17150300	05050401	٠.
	5010HOTEL AND LODGING	04120000		
	5011TRANSPORTATION -	04190000	14050000 ·	
	5012COMMERCIAL ART	17070000		v.
	5012ADVERTISING SERVICES	04010000	1 . 1.	*
	5012LEATHERWORKING	17340000	•	*
	5012GRAPHIC ARTS	17190000	*	
	5012PAINTING AND DECORATING 5012WOODWORKING 9	17100500	<u>,</u> = -	
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5207RADIOLOGIC TECHNOLOGY X-RAY

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	5209NURSING ASSISTANCE, AIDE	:	07030300		
	5209NURSING		07030100	16030500)
٠	*5209PRACTICAL NURSING		07030200	,*	
`	52100CCUPATIONAL THERAPY		07040100		
	52110BSTETŘÍČAL TECHNÍCIAN		07030600	•	
	5211SURGICAL TECHNICIAN, OPERATING		07030500		
	52120RTHOPTICS	•	07060200		
	52120PTOMETRIC TECHNICAL SERVICES		07060300	16039900	
	52120PHTHALMIC DISPENSING	۰	07060100		
	5213MEDICAL RECORD TECHNOLOGY		07990000		•
	5214MEDICAL ASSISTANT		07090400		
	5215INHALATION THERAPY		07090300.		
	5216PSYCHIATRIC AIDE	•	070,30400		
,	5216MENTAL RETARDATION AIDE		07080200		
	5216MENTAL HEALTH TECHNOLOGY		07080100		
	5217ELECTROENCEPHALOGRAPH TECHNICIAN		07090100		
	5217ELECTROCARDIOGRAPH TECHNICIAN 5219PHYSICAL THERAPY TECHNOLOGY	•	07090200	16030200	•
	5219PHTSICAL THERAPT TECHNOLOGY 5299CENTRAL SUPPLY TECHNICIAN (HEALTH)		07040200		:
	5299EMERGENCY MEDICAL TECHNOLOGY	*	07090500		
	52990RTHOTICS		07090700 - 07040400		į
	5299MORTUARY SCIENCE		.07090900	160399	•
	5299NUCLEAR MEDICAL TECHNOLOGY	. ,	07050300	100399 .	
	52990RTHOPEDIC ASSISTING		07091000	,	
	5299PROSTHETICS		07040300		
	5299SCHOOL HEALTH AIDE				
٠	5300APPLIED MATHEMATICS	•	07030800	•3	
	5301METALWORKING	•	11050000	•	
	5302AVIATION		17230000	16010100	
	5302AVIATION GROUND OPERATIONS		170,40000	16010100	
	5302AIRGRAFT MAINTENANCE		17040300 17040100		,
	5302AIRCRAFT OPERATIONS		17040100	16060100	, -
	5303TOOL AND DIE MAKING		17230700	16011302	
	5304DRAFTING		17130000°	10011302	
	5305CHEMICAL TECHNOLOGY		16010500	*	
	5305PLASTICS	*	17270000°	1	
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	5306AUTOMOTIVE SERVICES		17030000	16010400	
	5306AUTOMOTIVE MECHANICS		17030200	4,0020.00	۳
	5307DIESEL MECHANIC		17120000	مسي .	
	5308WELDING AND CUTTING	1	17230600	•	
	5309CIVIL TECHNOLOGY		16010600		*
	5309ROADWAY TECHNOLOGY		16010602.	•	*
	5309STRUCTURAL TECHNOLOGY		16010603		
	5310APPLIANCE REPAIR		17020000		. •
	5310ELECTRONICS		1,7150000	16010800	
t	5310BUSINESS MACHINE MAINT		17060000	·	
	5311ELECTROMECHANICS		16010900		
	5312METALLURGY		17240000	16011400	
	5312PRODUCTION (INDUSTRIAL AND MECHANICAL)		16011303		
	5312INDUSTRIAL TECHNOLOGY		16011100		
	5313TEXTILE PRODUCTION AND FABRICATION		17330000		•
	5314INSTRUMENT MAINTENANCE AND REPAIR OCC		17210000	16011200	
	5315ENGINE REPAIR		17310000		
	5315STATIONARY ENERGY SOURCES		17320000	16011301	
	5315PRODUCTION (INDUSTRIAL AND MECHANICAL)		16011303		
	5315MECHANICAL TECHNOLOGY		16011300	,	
نو	•5315MACHINE SHOP		17230200		
-	5315TOOL AND DIE MAKING.		17230700		
	5316INDUSTRIAL ATOMIC ENERGY		17200000 •	16011500	
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5317AIR CONDITIONING	17010000	14011000	4.79 (500 000 0
5317DRYWALL INSTALLATION	17100800		17300000
.5317BLUEPRINT READING	1705000		
5317BUILDING CONSTRUCTION AND MAINT	17100000		•
5317GARPENTRY	17100100	**************************************	v *
5317CONSTRUCTION EQUIPMENT	17100300		
5317ELECTRICAL CONSTRUCTION	17100200		
5317ROOFING .	17101000		
5317INDUSTRIAL ELECTRICITY	17140000		•
5317MASONRY	17100400		
5317PLASTERING	17100600		4
5317PLUMBING AND PIPE FITTING	17100700		
5317GLAZING	17100900		
531 7SHEET METAL	1723050	n	
5317WOODWORKING	17360000	•	•
5399CUSTODIAL SERVICES	17110000		
5400APPLIED SCIENCE (BIOLOGICAL)	13020023	•	
5400APPLIED SCIÉNCE (EARTH)	13040019		·
5400APPLIED SCIENCE (PHYSICAL)	13030032	t	` ,
5402ANIMAL SCIENCE	010/10100	16020100	•
5402AGRICULTURAL RESOURCES	01,060000		
5402AGRICULTURAL PRODUCTS 5402FARM BUSINESS MANAGEMENT	01/040000°	16020000	
5#02AGRICULTURE PRODUCTION	0/1010400		
5402AGRICULTURAL MECHANICS	01010000	16020000	
5402PLANT SCIENCE	. 01030000	16010200	
\$402SUPPLIES AND SERVICES	01010200	16020400	
54020RNAMENTAL HORTICULTURE	.01020000	\ .	• .
5403FORESTRY	01050000	*9	•
5403COMMERCIAL FISHERY	01070000	16060300	
5404FOOD SERVICES AND MANAGEMENT	17080000		•
5404FOODS AND NUTRITION	09020300	16050400	*
5404EOOD SERVICE SUPERVISOR (HEALTH)	09010700		٠ , ,
5404QUANTITY FOOD	07090800	١	
5404UPHOLSTERING	/ 172900001		•
5405CLOTHING MANAGEMENT, PRODUCTION, SERVICE	17350000	•	*
5405CLOTHING & TEXTILES			
5405FAMILY HEALTH	09010300		
5405HOME EQUIPMENT AND FURNISHING	09010500	4.04.00.0	
5405INSTITUTIONAL & HOME MANAGEMENT & SPRIT	09020400	16050000	× .
5405HOUSING AND HOME FURNISHING	09010900	16050000	. 3-
5405CONSUMER EDUCATION	09010400	1605000գ	•
5405HOME MANAGEMENT	09010400		,
5405GHILD DEVELOPMENT	09010200		, , , , , , , , , , , , , , , , , , ,
5405CAPE AND GUIDANCE OF CHILDREN		16050100	,
5405HOMEMAKING (COMPREHENSIVE)	09010100	10000100	•
5405FAMILY RELATIONS	09010600	•	*.
5406MARITIME OCCUPATIONS	16060400		
5406MARITIME OCCUPATIONS	17220000	17080100	17080200
5408ENVIRONMENTAL HEALTH ASSISTANT	07070100		
5408SANITATION	16010602		,
5408SANITARIAN ASSISTANT	07070300		•
5500 APPLIED PSYCHOLOGY/SOCIAL STUDIES	15120500		•-
5501PUBLIC SERVICE OCCUPATIONS (OTHER)	17289900		
5503PERSONNEL, TRAINING, AND RELATED	14060000		
5504LIBRARY AND LEARNING RESOURCES	17289900	16069900	
5505LAW ENFORCEMENT		16060500	- "
5506RECREATION AND TOURISM .	04180000		
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APPENDIX D

Data File Structure

of HEGIS-USOE-DOT Program Codes
and Occupational Codes Crosswalk

NOTE: The State Board for Community Colleges has included this printout of the "crosswalk" as evidence of progress made. Since the SBCC plans further refinement of the elements included in the "crosswalk," it is absolutely imperative that any uses made of this information by institution and agencies should be done with caution.

HEGIS: 5000 TITLE: APPLIED ECONOMICS

HEGIS: 5000 TITLE: APPLIED COMMUNICATIONS

HÉGIS: USOE: TITLE: TECHNICAL REPORTING
14049900 TITLE: INFORMATION COMMUNICATION OCCUPATIONS, OTHER
2399138014CONTRACT CLERK SUPERVISOR (TEL.) SUPER. WK. (CLERICAL & REL.)
2399138014CONTRACT CLERK SUPERVISOR (TELSUPER. WK. (CLERICAL & REL.)
2399138018FOREMAN, MAIL ROOM (PRINT. & PSUPER. WK. (CLERICAL & REL.)
2399138012PMAAGER, CHIEF (LIGHT, HESUPER. WK. (CLERICAL & REL.)
2399138030MORSE SUPERVISOR (TEL. & TEL.)SUPER. WK. (CLERICAL & REL.)
2399138030MORSE SUPERVISOR (TEL. & TELSUPER. WK. (CLERICAL & REL.)
2399138046TELEFAX SUPERVISOR (TEL. & TELSUPER. WK. (CLERICAL & REL.)
2399138040TOMTRACT CLERK (TRAINING SUPER BUS. TRAINING DISPENS., & 123938010COUNTRACT CLERK (TRAINS.) INFO. GATHER., DISPENS., & 123938010COUNTRACT CLERK (TRAINS.) INFO. GATHER., DISPENS., & 123938010COUNTRACT CLERK (AIR TRANS.) INF

HESIS: USOE: 5002 TITLE: ACCOUNTING AND COMPUTING 14010000 TITLE: ACCOUNTING AND COMPUTING OCCUPATIONS NO DOT ENTRY

HEGIS: USOE:

1.

TITLE: FINANCE AND CREDIT
04040000 TITLE: FINANCE AND CREDIT
162158018BROKER-AND-MARKET OPERATOR, GRPURCH. & SALES WK.
162158022BROKER'S FLOOR REPRESENTATIVE PURCH. & SALES WK.
186118026MANAGER, FINANCIAL INSTITUTIONADMIN.
186168010BANK CASHIER (BANKING) ADMIN.
186168050RESERVE OFFICER (BANKING) MANAG. WK.
186168050RESERVE OFFICER (BANKING) MANAG. WK.
186168054SECURITIES TRADER (BANKING) MANAG. WK.
186168054SECURITIES TRADER (BANKING) MANAG. WK.
191268010CREDIT ANALYST (BANKING) INVESTIGAT., PROTECT.,&REL.
249368066NEW-ACCOUNTS TELLER (FINAN. INST.)INFO. GATHER.,DISPENS.,& RE
249368066NEW-ACCOUNTS TELLER (BANKING) INFO. GATHER.,DISPENS.,& RE
249368086SAFE-DEPOSIT CLERK (BANKING) INFO. GATHER.,DISPENS.,& RE
251258010SALESMAN, SECURITIES (FINAN. IDEMON. & SALES WK.
2522358022SALESMAN, INVESTMENT AND TAX CDEMON. & SALES WK.

HEGIS: 5004 TITLE: APPAREL AND ACCESSORIES 04020000 TITLE: APPAREL AND ACCESSORIES
185158010FASHION COORDINATOR (RET. TR.)PURCH. & SALES
223687018SAMPLE GIRL (HOSIERY) SORT., INSPECT
263258010SALESPERSON, ORTHOPEDIC SHOES DEMON. & SALES USOE: 223687018SAMPLE GIRL (HOSIERY)
2633258010SALESPERSON, ORTHOPEDIC SHOES DEMON263358018SALESMAN, FOOTWEAR (WHOLE- TR.DEMON263358022SALESMAN, MEN'S AND BOYS' CLOTDEMON263358030SALESMAN, WOMEN'S AND GIRLS ADEMON263358030SALESMAN, WOMEN'S AND GIRLS ADEMON263358034SALESPERSON, CORESETS (RET. TRDEMON263358042SALESPERSON, FASHION ACCESSORIDEMON263358042SALESPERSON, FURS (RET. TR.) DEMON263358046SALESPERSON, MEN'S FURNISHINGSDEMON263358046SALESPERSON, MEN'S FURNISHINGSDEMON263358046SALESPERSON, MEN'S FURNISHINGSDEMON263358046SALESPERSON, MEN'S AND CHILDEMON2633458010SALESPERSON, MEN'S AND CHILDEMON2633458014SALESPERSON, MEN'S AND CHILDEMON-INSPECT., & REL. SALĒŠ SALES SALES 263358034SALESPERSON, CORESETS (RET. TRDEMON. & 263358038SALESPERSON, FASHION ACCESSORIDEMON. & 263358042SALESPERSON, FURS (RET. TR.) DEMON. & 263358046SALESPERSON, MEN'S FURNISHINGSDEMON. & 263358050SALESPERSON, SHOES (RET. TR.) DEMON. & 263358050SALESPERSON, INFANTS' AND CHILDEMON. & 263458014SALESPERSON, MEN'S AND BOYS' CDEMON. & 263458014SALESPERSON, MILLINERY (RET. TDEMON. & 263458012SALESPERSON, WOMEN'S GARMENTS DEMON. & 263458010SALESMAN, LEATHER GOODS (WHODEMON. & 264358010SALESMAN, TEXTILE DESIGNS (WHODEMON. & 276358042SALESMAN, TEXTILE DESIGNS (WHODEMON. & 276358042SALESMAN, JEWELRY AND OPTICAL DEMON. & 278358014SALESMAN, JEWELRY AND OPTICAL DEMON. & 278358014SALESPERSON, JEWELRY (RET. TR.) INSPECT. & 279387010FUR-STORAGE CLERK (RET. TR.) INSPECT. & 279387010FUR-STORAGE CLERK (RET. TR.) INSPECT. & 2799887030STOCK GIRL, WOMEN'S APPAREL (RHANDLING SALES ALE SALES SALES WI SALES WI SALES WI SALES WI

HEGIS: 5004 TITLE: AVIATION GROUND OPERATIONS
17040300 TITLE: GROUND OPERATIONS
193168010AIR TRAFFIC COORDINATOR (GOV.SSCHED., EXPED. & REL. WK.
193168014AIR TRAFFIC—CONTROL SPECIALISTSCHED., EXPED. & REL. WK.
193168018AIR TRAFFIC—CONTROL SPECIALISTSCHED., EXPED. & REL. WK.
912368010AIR PLANE—DISPATCH CLERK (AIR TFACIL., SER., & EXPED. WK.
912384010AIR PORT SERVICEMAN (AIR TRANS.INSPECT. & STOCK CHECK.
912388010TRIP FOLLOWER (AIR TRANS.) CLASSIF., FILING, & REL. WK.

GIS:

TITLE: AUTOMOTIVE (DISTRIBUTIVE)
04030000 TITLE: AUTOMOTIVE
163158010SPARE-PRATS FIELD REPRESENTATIPURCH. & SALES WK.
185168050MANAGER, PARTS (RET. TR.; WHOLMANAG. WK.
187168142MANAGER, STORAGE GARAGE (AUTO.MANAG. WK.
187168154MANAGER, VEHICLE LEASING AND RMANAG. WK.
187288010SERVICE MANAGEMENT SPECIALIST INDUST. ENGR. & REL. WK.
191168018SERVICE REPRESENTATIVE (AUTO. INVESTIGAT., PROTECT., & REL.
280358014SALESMAN, AUTOMOBILE (RET. TR.DEMON. & SALES WK.
280358018SALESMAN, AUTOMOBILE PARTS (WHDEMON. & SALES WK.
280358034SALESMAN, HOUSE TRAILERS (RET.DEMON. & SALES WK.
280358034SALESMAN, MOTOR VEHICLES AND SDEMON. & SALES WK.
280358034SALESMAN, MOTOR VEHICLES AND SDEMON. & SALES WK.
280358046SALESMAN, MOTOR VEHICLES AND SDEMON. & SALES WK.
296380310SALESPERSON, PARTS (RET. TR.; DEMON. & SALES WK.
299287010CAR LOCATOR (RET. TR.)
299287010APPRAISER, AUTOMOBILE (RET. TRAPPRAIS. & INVESTIGAT. WK.
620281022AUTOMOBILE—REPAIR—SERVICE SALECRAFTS & REL. WK.
915137010CAR—WASH SUPERVISOR (AUTO. SERSUPER. WK.(FARM., MFG. ETC.)
915378014PARKING—LOT ATTENDANT (AUTO SEMISC. PER. SER.(FOOD SER.&R.)
919368010DISPATCHER, CAR RENTAL (AUTO. SERSOR.) SER. & EXPED. WK.
919478010CAR—RENTAL CLERK (AUTO. SER.) CUSTOMER SER. WK., N.E.C.

TITLE: INSURANCE
04130000 TITLE: INSURANCE
166168034SPECIAL AGENT (INSURANCE)
168268022INSURANCE EXAMINER (GOV. SER.)INVESTIGAT., PROTECT. & REL
169168034ESTATE PLANNER (INSURANCE) ACCOUNT., AUDIT. & BUS. WK.
169138014UNDERWRITER (INSURANCE) ACCOUNT., AUDIT. & REL. WK.
169268018HOSPITAL—INSURANCE REPRESENTATINTERVIEW., INFO. GIV., & R
186118030MANAGER, INSURANCE (ANY IND.) ADMIN.
186168030MANAGER, INSURANCE (GNY IND.) ADMIN.
186168030MANAGER, INSURANCE (INSURANCE) I INVESTIGAT., PROTECT. & REL
239368018INVESTIGATOR (INSURANCE) I INFO. GATHER., DISPENS. & R
241168010CLAIM ADJUSTER (INSURANCE) II INVESTIGAT., PROTECT. & REL
249268010CLAIM EXAMINER (INSURANCE) II INVESTIGAT., PROTECT., & RE
250258010LIFE UNDERWRITER (INSURANCE) IDEMON. & SALES WK.
250258014SALESMAN, INSURANCE (INSURANCEDEMON. & SALES WK. HEGIS: TITLE: INSURANCE USOE: TITLE: HARDWARE, BLDG, MAT, FARM SUP & EQUIP 04090000 TITLE: HARDWARE, BUILDING MATERIALS, FARM AND 6187168134MANAGER, SERVICE DEPT. (WHOLE MANAGE, WK. 249368018CONTRACT CLERK (LIGHT, HEAT & INFO. GATHER., DISP 276358010SALESMAN, BUILDING AND CONSTRUDEMON. & SALES WK. 276358014SALESMAN, CONSTRUCTION MACHINEDEMON. & SALES WK. 276358018SALESMAN, HARDWARE SUPPLIES (WDEMON. & SALES WK. 276358010SALESMAN, CATTLE AND POULTRY FDEMON. & SALES WK. 277358010SALESMAN, CATTLE AND POULTRY FDEMON. & SALES WK. 277358014SALESMAN, DAIRY SUPPLIES (WHOLDEMON. & SALES WK. 277358018SALESMAN, FARM AND GARDEN EQUIDEMON. & SALES WK. 277358022SALESMAN, FARM AND GARDEN EQUIDEMON. & SALES WK. 277358026SALESMAN, TRACTOR AND FARM IMPDEMON. & SALES WK. 277358030SALESPERSON, LAWN AND GARDEN EDEMON. & SALES WK. 277358030SALESPERSON, LAWN AND GARDEN EDEMON. & SALES WK. 929137026YARDMAN (RET. TR.) I SUPER. WK. (FARM., **HEGIS: 5004** USOE: FARM AND GARDEN SUPPLIES AND SUPER. WK. (FARM., MFG. ETC TITLE: HOME FURNISHINGS
04100000 TITLE: HOME FURNISHINGS
162158114SECOND-HAND FURNITURE DEALER (PURCH. & SALES WK.
187168010APPLIANCE-SERVICE SUPERVISOR (APPRAIS. & INVESTIGAT.
191287010APPRAISER, FURNITURE (RET. TR.APPRAIS. & INVESTIGAT.
256258010SALESMAN, UPHOLSTERY AND FURNIDEMON. & SALES WK.
274358010SALESMAN, CUSTOM DRAPERY (RET.DEMON. & SALES WK.
274358014SALESMAN, FLOOR COVERINGS (RETDEMON. & SALES WK.
274358022SALESMAN, HOUSEFURNISHINGS (WHDEMON. & SALES WK.
274358030SALESPERSON, CURTAIN AND DRAPEDEMON. & SALES WK.
274358030SALESPERSON, FURNITURE (RET. TDEMON. & SALES WK.
278258018SALESPERSON, HI-FI (RET. TR.) DEMON. & SALES WK.
278358010SALESPERSON, HI-FI (RET. TR.) DEMON. & SALES WK.
278358014SALESMAN, GAS-OR-ELECTRIC APPLDEMON. & SALES WK.
278358014SALESMAN, FADIO AND TELEVISIONDEMON. & SALES WK.
278358018SALESMAN, RADIO AND TELEVISIONDEMON. & SALES WK.
27835802SSALESMAN, RADIO AND TELEVISIONDEMON. & SALES WK.
278358030SALESPERSON, TELEVISION AND APDEMON. & SALES WK.
278358010SALESMAN, SEWING MACHINE (RET. DEMON. & SALES WK.
278358010SALESMAN, SEWING MACHINE (RET. DEMON. & SALES WK.
278358010DRAPERY AND UPHOLSTERY ESTIMATCOMPUT. & REL. RECORD.
299686014FURNITURE INSPECTOR (RET. TR.)SORT., INSPECT. & REL. EGIS: 5004 TITLE: HOME FURNISHINGS USOE:

HEGIS: 5004 TITLE: MARKETING MANAGEMENT
NO USOE ENTRY

INDUSTRIAL MARKETING
INDUSTRIAL MARKETING
SALES (ANY IND.)
UTILITY SALES AND SERMANAG. WE
BRANCH (ANY IND.)
INDUSTRIAL ORGANIZATIADMIN.
INDUSTRIAL ORGANIZATIADMIN.
INDUSTRIAL SERVICES DEMON. &
INDUSTRIAL RELATIONSPURCH. &
INDUSTRIAL RELATIONSPURCH. &
PRINTING (PRINT. & PDEMON. &
PRINTING (PRINT. & PDEMON. &
PAPER FORECASTING DEMON. &
PAPER SURE—SENSITIVE TDEMON. &
PAPERSURE—SENSITIVE TDEMON. &
PAPER GOODS (WHOLE.DEMON. &
PLASTIC PRODUCTS (WHDEMON. &
PLASTIC PRODUCTS (WHDEMON. &
PLASTIC PRODUCTS (WHDEMON. &
PAPER GOODS (WHOLE. TRDEMON. &
PAPER GOODS (WHOLE. TRDEMON. &
MACHINERY (WHOLE. TRPURCH. &
MACHINERY (WHOLE. TRPU HEGIS: TITLE:
04120000 TITLE:
163118026MANAGER,
163168018MANAGER,
183118010MANAGER,
189268014MANAGER,
252158010SALESMAN,
252358014SALESMAN,
259358014SALESMAN,
259358014SALESMAN,
259358014SALESMAN,
2653358018SALESMAN,
2663358010SALESMAN,
2663358010SALESMAN, 5004 TITLE: USOE: BUS SALES SALES SALES SALES WK PRESSURES AND DRIVERS DEMON.

PRESSURES AND DRIVERS DEMON.

PRESSURES AND DRIVERS DEMON.

CHEMICALS ALESMAN,

PLASTIC GOODS (WHOLE. DEMON.

PLASTIC GOODS (WHOLE. DEMON.

ABRASIVES (WHOLE. TR.) DEMON.

ABRASIVE AND MACHINE DEMON.

TOUNDS ALESMAN,

ABRASIVE AND DEMON.

TOUNDS ALESMAN,

ABRASIVE AND DEMON.

TOUNDS ALESMAN,

METALS (WHOLE. TR.) DEMON.

TOUNDS ALESMAN,

TOUNDS ALESMAN,

MACHINERY (WHOLE. TR.)

MACHINERY (WHOLE. TR.)

TOUNDS ALESMAN,

TOUNDS ALESMAN ALES ALES ĄĹĒ ALES ALESS ALES WK. ALE S ALE S ALE ALES ALES 28 28 28 SALES SALES SALES

EGIS: TITLE: JUNE 14680100 TITLE: GENERAL MERCHANDISE 04080000 TITLE: GENERAL MERCHANDISE 162158050BUYER (RET. TR.; WHOLE. TR.) I 162158030BUYER, ASSISTANT (RET. TR.) I 185168054MANAGER, MERCHANDISE (RET. TR.) 189168014DIRECTOR, SERVICE (RET.TR.) 189168014JUNIOR EXECUTIVE (ANY IND.) 189168014JUNIOR EXECUTIVE (ANY IND.) 209588046MARKER (RET. TR.; WHOLE. TR.) 211468010CASHIER (CLERICAL) 11240368010COLLECTOR (CLERICAL) 241368010ADJUSTMENT CLERK (CLERICAL) 5004 GENERAL MERCHANDISE, USOE: IPURCH. SALES WK. & SALES WK. PURCH. TR'. MANAG. MANAG. MANAG. MANAG. ROUTINE E CHECK. & RECORD. (THEATER, REST. & REL GATHER, DISPENS., & R CASH. INFO. GATHER, DISPENS., & R (THEATER, REST. & REL GATHER, DISPENS., & REL & SALES WK. 241368010ADJUSTMENT CLERK (CLERICAL)
243468010SALES-CHECK WRITER (RET.TR.)
249368062NEW-ACCOUNT CLERK (CLERICAL) INFO. CASH. 249368062NEW-ACCOUNT CLERK (CLERICAL) INFO. GATHER, DISPENSE 263458026SALESPERSON, YARD GOODS (RET. DEMON. & SALES WK. 266358014SALESPERSON, COSMETICS AND TOIDEMON. & SALES WK. 274358026SALESPERSON, CHINA AND GLASSWADEMON. & SALES WK. 283458010SALESPERSON, SILVERWARE (RET. DEMON. & SALES WK. 289458010SALESPERSON, FLYING SQUAD (RETDEMON. & SALES WK. 290468018SALES ATTENDANT (RET. TR.) CUSTOMER SER. WK., N. 290478014SALES CLERK (RET. TR.) CUSTOMER SER. WK., N. 290478014SALES CLERK (RET. TR.) CUSTOMER SER. WK., N. 290478014SALES CLERK (RET. TR.) DEMON. & SALES WK. 296358010AUCTIONEER (RET. TR.; WHOLE. TDEMON. & SALES WK. 296388010COMPARISON SHOPPER (GARMENT; RCLASSIF., FILING. & F. 297458010DEMONSTRATOR (RET. TR.; WHOLE.DEMON. & SALES WK. 299138022MANAGER, DEPARTMENT (RET. TR.) DEMON. & SALES WK. 299138022MANAGER, DEPARTMENT (RET. TR.) DEMON. & SALES WK. 299358010BRIDAL CONSULTANT (RET. TR.) DEMON. & SALES WK. 919883014DELIVERYMAN (ANY IND.) II DRIVING—OPERATING INFO. N.E.C. N.E.C. 5004 TITLE: MARKETING NO USOE ENTRY TITLE: FOOD DISTRIBUTION
04060000 TITLE: FOOD DISTRIBUTION
162158014BROKER (RET. TR.; WHOLE. TR.) PURCH. \$ SALES WK.
162158074COMMISSION MAN, LIVESTOCK (WHOPURCH. \$ SALES WK.
185168010COMMISSION MAN, LIVESTOCK (WHOPURCH. \$ SALES WK.
211468014CASHIER, COURTESY BOOTH (RET. CASH. (THEATER, REST. \$ REL.
223487010CHECKER, BAKERY PRODUCTS (BAKEINSPECT. \$ STOCK CHECK.
261158010SALESMAN, LIVESTOCK (WHOLE. TR.) EXALES WK.
261258010SALESMAN, LIVESTOCK (WHOLE. TR.) EXALES WK.
290468010GROCERYMAN, JOURNEYMAN (RET. TCUSTOMER SER. WK. N.E.C.
290877010SALESMAN, FOOD PRODUCTS (WHOLE DEMON. \$ SALES WK.
291158010SALESMAN, FOOD (RET. TR.) MISC. CUSTOMER SERV. WK.
291158010SALESMAN, FOOD (RET. TR.) MISC. CUSTOMER SERV. WK.
291158010BUYER (RET. TR.; WHOLE. TR.) IFURCH. \$ SALES WK.
292138010ROUTE SUPERVISOR (ANY IND.) SUPER. WK. (CLERICAL \$ REL.
292358010SALESMAN-DRIVER (ANY IND.) DEMON. \$ SALES WK.
292358010SALESMAN-DRIVER (ANY IND.) DEMON. \$ SALES WK.
2923887010SALESMAN-DRIVER (ANY IND.) SUPER. WK. (CLERICAL \$ REL.
2924887010SALESMAN-DRIVER (ANY IND.) SUPER. WK. (CLERICAL \$ REL.
2925887010SALESMAN-DRIVER (ANY IND.) SUPER. WK. (CLERICAL \$ REL.
2924887010SALESMAN-DRIVER (ANY IND.) SUPER. WK. (CLERICAL \$ REL.
2925887010SALESMAN-DRIVER (ANY IND.) SUPER. WK. (CLERICAL \$ REL.
2925887010SALESMAN-DRIVER (ANY IND.) SORT., INSPECT., \$ REL.
2926887022BAGGER (RET. TR.) SORT., INSPECT., \$ REL. WK. HEGIS: 5004 TITLE: FOOD DISTRIBUTION USOE: SUPER WK. (CLERICAL & REL-CASH. (THEATER, REST. & REL SORT., INSPECT., & REL. WK. HANDLING 920887022BAGGER (RET. TR.)

HEGIS: 5004 TITLE: INTERNATIONAL TRADE
USOE: 04140000 TITLE: INTERNATIONAL TRADE
163118018MANAGER, EXPORT (ANY IND.), ADMIN.
184118026IMPORT-EXPORT AGENT (R. R. TRACONTR. NEGOT. & REL. WK.
186118018CUSTOMS-HOUSE BROKER (FINAN. ICONTR. NEGOT. & REL. WK.

HEGIS: 5004 TITLE: FOOD SERVICES (DISTRIBUTIVE)

04070000 TITLE: FOOD SERVICES

185168038MANAGER, FOOD CONCESSION (HOTEMANAG. WK.

187168106MANAGER, CATERING (HOTEL & RESMANAG. WK.

187168106MANAGER, LIQUOR ESTABLISHMENT MANAG. WK.

187168126MANAGER, RESTAURANT OR COFFEE MANAG. WK.

216488022FOOD CHECKER (HOTEL & REST.) ICOMPUT. & REL. RECORD.

216488022FOOD CHECKER (HOTEL & REST.) ICOMPUT. & REL. RECORD.

256358010SALESMAN, FOOD-VENDING SERVICEDEMON. & SALES WK.

27-5358010SALESMAN, HOTEL AND RESTAURANTDEMON. & SALES WK.

281358038SALESMAN, VENDING AND COIN MACDEMON. & SALES WK.

292468010LUNCH-TRUCK DRIVER (HOTEL & RECUSTOMER SER. WK., N.E.C.

292483010COIN-VENDING-MACHINE COLLECTORDELIVERY & SER. WK., N.E.C.

310137010WINE STEWARD (HOTEL & REST.) SUPER. WK. (FARM., MFG., ETC.)

310868010HOSTESS, RESTAURANT OR COFFEE ACCOMMODATING WK.

HEGIS: 5004 TITLE: FLORISTRY
USOE: 04050000 TITLE: FLORISTRY
142081050FLORAL DESIGNER (RET. TR.) ART WK.
260458010SALESPERSON, FLOWERS (RET. TR.DEMON. \$ SALES WK.
289358010SALESMAN, FLORIST SUPPLIES DEMON. \$ SALES WK.

HEGIS: 5004 TITLE: PERSONNEL, TRAINING, AND RELATED USOE: 14060000 TITLE: PERSONNEL, TRAINING, AND RELATED OCCUPATIONS NO DOT ENTRY

HEGIS: 5004 TITLE: PETROLEUM

163118014MANAGER, CONTRACTS (PETROL. PRADMIN.
168287038FIELD REPRESENTATIVE (RET. TR.APPRAIS. & INVESTIGAT. WK.
181118010MANAGER, BULK PLANT (PETROL. RADMIN.
185168058MANAGER, STORE (RET. TR.) II MANAG. WK.
186118034MANAGER, LEASING (PETROL. PRODADMIN.
191118030LEASEMAN (PETROL. PRODUCTION) CONTR. NEGOT. & REL. WK.
191118042PERMIT AGENT, GEOPHYSICAL PROSCONTR. NEGOT. & REL. WK.
276358030SALESMAN, OIL FIELD SUPPLIES DEMON. & SALES WK.
914168014DISPATCHER, OIL (PETROL. PROD SCHED., EXPED. & REL. WK.
915867010AUTOMOBILE—SERVICE—STATION AT MISC., CUSTOMER SER., WK.
915878010AUTOMOBILE—SELF—SERVE—SERVICE—MISC., PER. SER. (FOOD SER.

HEGIS: 5004 TITLE: SUPERVISORY AND ADMINISTRATIVE MANAGEMENT USOE: 14080000 TITLE: SUPERVISORY AND ADMINISTRATIVE MANAGEMENT OCCUPATIONS NO DOT ENTRYS

TITLE: REAL ESTATE

04170000 TITLE: REAL ESTATE

184118034MANAGER, INDUSTRIAL DEVELOPMENADMIN.

185168042MANAGER, FRANCHISE PROMOTION MANAG. WK.

186118046PRAL-ESTATE AGENT (BUS. S CONTR. NEG.

186118046PRAL-ESTATE AGENT (R. R. TRANSADMIN.

186168022MANAGER, APARTMENT HOUSE (HOTEMANAG. WK.

186168026MANAGER, HOUSING PROJECT (PROFMANAG. WK.

186168034MANAGER, PROPERTY (REAL ESTATEMANAG. WK.

186168038MANAGER, RENTAL DEPARTMENT (PEMANAG. WK.

186168038MANAGER, RENTAL DEPARTMENT (PEMANAG. WK.

187168194SUPERINTENDENT, BUILDING (ANY MANAG. WK.

187168194SUPERINTENDENT, BUILDING (ANY MANAG. WK.

187168194SUPERINTENDENT, BUILDING (ANY MANAG. WK.

191118050RIGHT-OF-WAY AGENT (ANY IND.) CONTR. NEE

249388046REAL-ESTATE-LOCATION WRITER (ICLASSIF.,

250358010BUILDING CONSULTANT (WHOLE. TRDEMON. & S.

250358026SALESMAN, REAL ESTATE (REAL ESDEMON. & S. 5004 **HEGIS:** TITLE: REAL ESTATE USOE: NEGOT. & REL. WK'. WK. WK. WK. \$ SALES WK. NEGOT. & REL. W . \$ INVESTIGAT. SALES WK. SALES WK. SALES WK. HEGIS: 5005 FILING, OFFICE MACHINES, & GEN OFF CLERICAL FILING, OFFICE MACHINES, AND GENERAL OFFICE CLERICAL TITLE: 14030000 TITLE: NO DOT ENTRY USOE: HEGIS: 5005 TYPEWRITING TITLE: 14U9UUOO TĪTĒE: NO DOT ENTRY . USOE: TYPING AND RELATED OCCUPATIONS HEGIS: 5005 STENOGRAPHIC, SECRETARIAL, AND RELATED STENOGRAPHIC, SECRETARIAL, AND RELATED OCCUPATIONS TITLE: USOE: 14070000 TITLE: NO DOT ENTRY TITLE: HEGIS: 5006 17260100 TITLE: BARBERING 330371010BARBER (PER. SER.) BEAUTI. 330371014BARBER APPRENTICE (PER. SER.) BEAUTI. 339371014SCALP-TREATHENT OPERATOR (PER.BEAUTI. BARBERING USOE: BEAUTI. & BARBER. SER. BARBER. & BARBER. TITLE: FABRIC MAINT

17160000 TITLE: FABRIC MAINTENANCE SERVICES

363782018PRESSER, MACHINE (ANY IND.) OPERATING-CONTROLLING

363885022PRESSER, HAND (ANY IND.) TENDING

363887014GLOVE FORMER (CLEAN., DYE., & HANDLING

363887026STRETCHER-DRIER OPERATOR (CLEAHANDLING

369687010ASSEMBLER (CLEAN., DYE., & PRESORT., INSPECT., & REL. WK.

369687014CHECKER (CLEAN., DYE., & PRESORT., INSPECT., & REL. WK.

369687018INSPECTOR (CLEAN., DYE., & PRESORT., INSPECT., & REL. WK.

369887018HARDER OPERATOR (GLEAN., MISC. CUSTOMER SERV. WK.

369887018MARKER (CLEAN., DYE., & PRESS.HANDLING

782884078SEAMSTRESS (CLEAN., DYE., & PRESS.HANDLING

7828887078GARMENT FOLDER (GARMENT; KNIT HANDLING HEGIS: USOE:

HEGIS: COSMETOLOGY TITLE: USOE: (FOOD SER. REL.) SER. SER. TITLE: PERSONAL SERVICES

17269900 TITLE: PERSONAL SERVICES, OTHER

334868010RUBBER (PER. SER.) I MISC. PER.

334878010MASSEUR (PER. SER.)

-334878014REDUCING-SALON ATTENDANT (PER. MISC. PER.

335878010COOLING-ROOM ATTENDANT (PER. SMISC. PER.

335878014HOT-ROOM ATTENDANT (PER. SER.) MISC. PER.

339371010ELECTROLOGIST (PER. SER.)

339878010REDUCING-MACHINE OPERATOR (PERMISC. PER. HEGÎS: USOE: (FOOD PER. SER. (FOOD SER. SER. (FOOD (F00D FOOD. SER. SEK. HEGIS: 5007 *TITLE: PHOTOGRAPHY 17090000 TITLE: USOE: . COMMERCIAL PHOTOGRAPHY OCCUPATIONS HEGIS: 5008 · TITLE: BUSINESS INFORMATION COMMUNICATION USOE: 14040000 TITLE: INFORMATION COMMUNICATION OCCUPATIONS NO DOT ENTRY 5008 TITLE: RA 17150300 TITLE: RA 720281010RAPIO REPA 720281018TELEVISION 720281022TELEVISION E: RADIO/TELEVISION
E: RADIO/TELEVISION
REPAIRMAN (ANY IND.) CRAFTS
ISION SERVICE-AND-REPAIRMCRAFTS

HEGIS: USOE:

SERVICE-AND-REPAIRMCRAFTS

REL.

8

HEGIS:

5010
TITLE:
H
163118026MANAGER,
163168018MANAGER,
183118010MANAGER,
1891186018MANAGER,
189268014MANAGER,
252158010SALESMAN,
252358014SALESMAN,
252358014SALESMAN,
2563358016SALESMAN,
265358016SALESMAN,
2662588010SALESMAN,
270358010SALESMAN,
2773358010SALESMAN,
2773358010SALESMAN,
2773358010SALESMAN,
2773358010SALESMAN, HOTEL AND LODGING INDUSTRIAL MARKET SALES (ANY IND.) MARKETING ADMIN. UTILITY SALES AND SERMANAG. BRANCH (ANY IND.) ADMIN. INDUSTRIAL ORGANIZATIADMIN. TECHNICAL SERVICE (PRCONSULT BUS INDUSTRIAL RELATIONSPURGH. BUSINESS SERVICES DEMON. BUSINESS SERVICES DEMON.
PRINTING (PRINT. & PDEMON.
CANVAS PRODUCTS (WHODEMON.
PAPER & PAPER PRODUCDEMON.
PRESSURE-SENSITIVE TDEMON.
CHEMICALS AND DRUGS DEMON.
PLASTIC PRODUCTS (WHOLEMON.
RUBBER GOODS (WHOLE. DEMON.
ABRASIVE'S (WHOLE. TR.DEMON.
FOUNDRY AND MAGHINE DEMON.
METALS (WHOLE. TR.DEMON.
METALS (WHOLE. TR.DEMON.
MACHINERY (WHOLE. TR.DEMON.
LUBRICATING EQUIPMENDEMON.
RADIOGRAPHIC INSPECTDEMON.
SAFETY EQUIPMENT (WHOLEMON. DEMON. SALES SALES SALES SALES 73358010SALESMAN, 73358014SALESMAN, 76158010SALESMAN, 76358022SALESMAN, 76358034SALESMAN, 76358034SALESMAN, 76358050SALESMAN, 76358050SALESMAN, 76358014SALESMAN, 81158010SALESMAN, 81358014SALESMAN, SALES RADIOGRAPHIC INSPECTDEMON.
SAFETY EQUIPMENT (WHDEMON.
TEXTILE MACHINERY (NDEMON.
ULTRASONIC EQUIPMENT (WDEMON.
WELDING EQUIPMENT (WDEMON.
COMMUNICATION EQUIPMENTON.
PRINTING SUPPLIES (WPURCH.
BOTTLES AND BOTTLINGDEMON.
CHURCH FURNITURE ANDDEMON.
CORDAGE (WHOLE. TR.)DEMON.
OFFICE MACHINES (RETDEMON.
SCHOOL EQUIPMENT ANDDEMON.
COMMERCIAL EQUIPMENTDEMON.
DENTAL AND MEDICAL EDEMON. ALES ALE ALE 281358014SALESMAN, EOTTLES AND BOTTLINGDEMON.
281358018SALESMAN, CHURCHE FURNITURE ANDDEMON.
281358022SALESMAN, CORDAGE (WHOLE. TR.)DEMON.
281358020SALESMAN, OFFICE MACHINES (RETDEMON.
281358030SALESMAN, OFFICE MACHINES (RETDEMON.
281358010SALESMAN, OFFICE MACHINES (RETDEMON.
281358010SALESMAN, OFFICE MACHINES (RETDEMON.
282258010SALESMAN, COMMERCIAL EQUIPMENT ANDDEMON.
282258010SALESMAN, DENTAL AND MEDICAL EDEMON.
282258010SALESMAN, MEDICAL EQUIPMENT ANDDEMON.
282258010SALESMAN, WEDICAL EQUIPMENT ANDDEMON.
282258010SALESMAN, WEDICAL EQUIPMENT DEMON.
282358010SALESMAN, PRECISION INSTRUMENTDEMON.
284358010SALESMAN, ENGINEERING SUPPLIES DEMON.
284358010SALESMAN, ENGINEERING SUPPLIES DEMON.
289158010MANUFACTURER'S REPRESENTATIVE PURCH.
289358038SALESMAN, GENERAL (RET. TR.; WDEMON. ALES ALES ALES ALES ALES ALES ALES ALES

HEGIS: TITLE: TRANSPORTATION TRANSPORTATION
TRANSPORTATION
STEWARDESS, CHIEF (AIBUS.
TRANSPORTATION (MOTOADMIN
SALES REPRESENTATIVE CONTR
OPERATIONS (AIR TRANSADMIN
REGIONAL (MOTOR TRANSADMIN 04190000 USOE: TITLE: 66228010AIRPLANE 84118018DIRECTOR, TRAINING NEGOT. 184168146SUPERINTENDENT, COLD STORAGE MANAG.
184168146SUPERINTENDENT, DIVISION (AIR MANAG.
184168166SUPERINTENDENT, DIVISION (MOTOMANAG.
184168198SUPERINTENDENT, DIVISION (MOTOMANAG.
184168234SUPERINTENDENT, TRANSPORTATIONMANAG.
211468066TOLL COLLECTOR (GOV. SER.)
219488058RATE CLERK (MOTOR TRANS.) COMPUT.
255258010TRAFFIC AGENT (MOTOR TRANS.) DEMON.
259458010TRAFFIC AGENT (MOTOR TRANS.) DEMON.
276358026SALESMAN, MATERIAL—HANDLING EQDEMON.
280258010SALESMAN, MATERIAL—HANDLING EQDEMON.
280258010SALESMAN, AIRCRAFT (RET. TR.; DEMON.
280358030SALESMAN, MARINE SUPPLIES (RETDEMON.
280358030SALESMAN, MARINE SUPPLIES (RETDEMON.
280358030SALESMAN, RAILROAD EQUIPMENT ADEMON.
280358030SALESMAN, RAILROAD EQUIPMENT ADEMON.
352878010AIRPLANE STEWARDESS (AIR TRANSMISC. P.
352878010AIRPLANE STEWARDESS (AIR TRANSMISC. P.
352878010AIRPLANE STEWARDESS (AIR TRANSMISC. P.
352878010BAGGAGEMAN (MOTOR TRANS.) MISC. P.
352878010BAGGAGEMAN (MOTOR TRANS.) MISC. P.
352878022HOSTESS, TRAIN (R.R. TRANS.) MISC. P.
352878010BAGGAGEMAN (MOTOR TRANS.) MISC. P.
352878022HOSTESS, TRAIN (R.R. TRANS.) MISC. P.
352878022HOSTESS, AGENT (R. TSUPER. MANA CASH. CI. COMPUT. I THEATER, RES. & . & REL. RECORD. & SALES WK. & SALES WK. PER. SER. (F SER. (F SER. (F SER. (F SER. (F (FOQD SER. PER. (FOOD FOOD PER. PER. PER. WK. SER. SER. (FOOD SER. ET (FOOD 909138010DRIVER SUPERVISOR (MOTOR TRANSSUPER. WK. (FARM., MF. 910138026RAILWAY-EXPRESS AGENT (R. R. TSUPER. WK. (CLERICAL 910138010BAGGAGE-AND-MAIL AGENT (R. R. SUPER. WK. (CLERICAL 910368022RESERVATION CLERK (R.R. TRANS.FACIL., SER., & EXPED 911138010SUPERVISOR, TICKET SALES (AIR SUPER. WK. (CLERICAL 912168014SCHEDULE ANALYST (AIR TRANS.) SCHED., EXPED. & REL. 912368022RESERVATIONS AGENT (AIR TRANS.) SCHED., SER., & EXPED 912368010AIRPLANE-DISPATCH CLER (AIR TRANFACIL., SER., & EXPED 912368026TRANSPORTATION AGENT (AIR TRANFACIL., SER., & EXPED 913138010ROAD SUPERVISOR (MOTOR TRANS.) SUPER. WK. (FARM., MF. 913168014DISPATCHER, BUS AND TROLLEY (MSCHED., EXPED. & REL. 913463010BUS DRIVER (MOTOR TRANS.) TRANSPORT. SER. WK. 913368014TICKET AGENT (ANY IND.) FACIL., SER. & EXPED 9134630110BUS DRIVER (MOTOR TRANS.) TRANSPORT. SER. WK. 919368014TICKET AGENT (ANY IND.) FACIL., SER. & EXPED 913368014TICKET AGENT (ANY IND.) FACIL., SER. & EXPED 929133010MATERIALS—HANDLER (ANY IND.) HANDLING FOREMAN SUPER. WK. (FARM., MF. 929887050MATERIAL HANDLER (ANY IND.) HANDLING (CLERICAL & (FARM., MFG. REL. EXPED. SER . & EXPED. IK. (FARM., MFG. EXPED. & REL. W

EXPED. WK.

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COMMERCIAL ART
                E 6'I S :
                                                                                                                                                                                     TITLE:
                                                                                      17070000 TITLE: COMMERCIAL ART OCCUPATIONS
141031014DIRECTOR, ART (PROFESS. & KIN.DECOR.
141051010COLOR EXPERT (PROFESS. & KIN.DECOR.
141081014ART LAY-OUT MAN (PRINT. & PUB.ART WK
141081034COVER DESIGNER (PROFESS. & KINART WK
142081010BANK-NOTE DESIGNER (GOV. SER.)ART WK
142081012COMMERCIAL DESIGNER (PROFESS. ART WK
                  USOE:
                                                                                   142081022COFMERCIAL DESIGNER (PROFESS. ART WK
142081118SIGN DESIGNER (SIGNS) ART WK
144081014CARTOONIST (PRINT. & PUB.) ART WK
970281010AIRBRUSH ARTIST (PROFESS. & KICRAFTS
970281014DELINEATOR (PROFESS. & KIN.)I CRAFTS
970381018ENGROSSER (PROFESS. & KIN.) CRAFTS
970381026LAY-OUT MAN (SIGNS) II CRAFTS
970381046PAINTER, SIGN (ANY IND.) CRAFTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REL.
REL.
                                                                               TITLE: ADVERTISING SERVICES

04010000 TITLE: ADVERTISING SERVICES

050088034MARKET-RESEARCH ANALYST (PROFESOC. SCI., PSYCH

132088010COPY WRITER (PROFESS. & KIN.) CREATIVE WRITING

141081010ADVERTISING LAY-OUT MAN ART. WK.

14108010PRODUCTION MANAGER, ADVERTISINMANAG. WK.

142031010MANAGER, DISPLAY (RET. TR.) DECOR. & ART WK.

162158066BUYER. TIME AND SPACE (BUS. SEPURCH. & SALES W)

164068010ADVERTISING ASSISTANT (PROFESSPROMOT. & PUB.

164168014DIRECT-MAIL SPECIALIST (ANY INPROMOT. & PUB.

164118014MANAGER, ADVERTISING (ANY IND.ADMIN.

164118010DIRECTOR, ADVERTISING (PRINT. ADMIN.

164118010MANAGER, ADVERTISING (PRINT. ADMIN.

164168010ACCOUNT EXECUTIVE (PROFESS. & MANAG. WK.

164168014DIRECTOR, MERCHANDISING DISPLAMANAG. WK.
      HEGIS:
               USOE:
                                                                           164168010ACCOUNT EXECUTIVE (PROFESS. & MANAG. WK.
164168014DIRECTOR, MERCHANDISING DISPLAMANAG. WK.
165068022PUBLIC-RELATIONS MAN (PROFESS. & PROMOT. & PUB.
165068010DEALER-CONTACT MAN (PROFESS. & PROMOT. & PUB.
165068014PUBLIC PROGRAM SUPERVISOR (TELPROMOT. & PUB.
165068014PUBLIC PROGRAM SUPERVISOR (TELPROMOT. & PUB.
165068026SALES-SERVICE MAN (PROFESS. & PROMOT. & PUB.
249368022COUNTER CLERK (PRINT. & PUB.) INFO. GATHER., DISPENS., &
252358034SALESMAN, TRADING STAMPS (BUS.DEMON. & SALES WK.
252358010SALESMAN, TRADING STAMPS (BUS.DEMON. & SALES WK.
252358010SALESMAN, RADIO AND TELEVISIONDEMON. & SALES WK.
258258010SALESMAN, RADIO SER.) DEMON. & SALES WK.
258258010SALESMAN, SIGNS AND DISPLAYS DEMON. & SALES WK.
258358010SALESMAN, ADVERTISING (PRINT. DEMON. & SALES WK.
258358010SALESMAN, SIGNS (WHOLE. TR.) DEMON. & SALES WK.
298381010DDECORATOR (ANY IND.) I ART. WK.
298381010DECORATOR (ANY IND.) I ART. WK.
2983884010ADVERTISING-DISPLAY ROTATOR (BMANIPULATING
299138026SAMPLE DISTRIBUTOR CREW SUPERVSUPER. WK. (CLERICAL & REL.
2533368010ATTENDANT, TRAVELING DISPLAY (INFO. GATHER., DISPENS., & RE
270081010SIGN WRITER, HAND (ANY IND.) ART WK.
                                                                       TITLE: LEATHERWORKING

17340000 TITLE: LEATHERWORKING

365381010LUGGAGE REPAIRMAN (ANY IND.) CRAFTS & REL. WK.
690782038EMBOSSER (LEATHER MFG.; LEATHEOPERATING-CONTROLLING
690885266LEATHER-BELT MAKER (LEATHER PRIENDING
690885366SKIVER (LEATHER PROD.) TENDING
753884050LEATHER TOOLER (FURN.) MANIPULATING
781781010LEATHER STAMPER (LEATHER PROD.PRECISION WK.
784884010ASSEMBLER, HANDBAGS (LEATHER PMANIPULATING
789387010LEATHER GRADER (GARMENT; GLOVEINSPECT. & STOCK CHECK
789684010INSPECTOR (LEATHER PROD.) SORT. INSPECT., & REI
789781014COLLAR MAKER (LEATHER PROD.) PRECISION WK.
789781018HARNESS MAKER (LEATHER PROD.) PRECISION WK.
789781022LUGGAGE MAKER (LEATHER PROD.) PRECISION WK.
789781026SADDLE MAKER (LEATHER PROD.) PRECISION WK.
789884026GASE MAKER (LEATHER PROD.) MANIPULATING
789884054LEATHER WORKER (LEATHER PROD.) MANIPULATING
HEGIS:
                                                                              5012
                                                                                                                                                                                                                                                           LEATHERWORKING
                                                                                                                                                                              TITLE:
           USOE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CHECK.
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5012 TITLE: GRAPHIC ARTS
17190000 TITLE: GRAPHIC ARTS OCCUPATIONS
659130010FOREMAN, PRINTING SHOP (PRINT.SUPER. WK. (FARM., MFG. ETC
979138010PRODUCTION SUPERVISOR (PRINT. SUPER. WK. (CLERICAL & REL. HEGIS: USOE: 5012 TITLE: PAINTING AND DECORATING
17100500 TITLE: PAINTING AND DECORATING
840131010PAINTER FOREMAN (CONST.) SUPER.
840131014PAINTER FOREMAN, SHIPYARD SUPER.
840381010PAINTER, STAGE SETTINGS (MOTIOCRAFTS
840781010PAINTER (CONST.) PRECIS HEGIS: USOE: NG SUPER. WK. (FARM. SUPER. WK. (FARM. CRAFTS & REL. WK. (FARM., MFG. MFG. 840781010PAINTER (CONST.)

PRECISION WK.
840781014PAINTER APPRENTICE, SHIPYARD PRECISION WK.
840781018PAINTER, SHIPYARD (SHIP & BOATPRECISION WK.
840884010BITUMINOUS ENAMELER (ANY IND.) MANIPULATING
840884018PAINTER, ROUGH (CONST.)

MANIPULATING 840884022PAINTER, STRUCTURAL STEEL MANIPULATING 840887014PAINT-STRIPING-MACHINE OPERATOHANDLING 840887018PAINTER HELPER (CONST.) HANDLING 840887022PAINTER HELPER, BOAT (SHIP & HANDLING 841781010PAINTER-AND-DECORATOR APPRENTIPRECISION WK. 841781014PAPERHANGER (CONST.) PRECISION WK. 843884022WATERPROOFER (CONST.) MANIPULATING TITLE: WOODWORKING 17360000 TITLE: WOODWORKING NO DOT ENTRY HEGIS: USOE: BUSINESS, LAW_______SUPERVISORY AND ADMINISTRATIVE MANAGEMENT OCCUPATIONS **HEGIS:** 5099 TITLE: 14080000 USOE: TITLE: DOT ENTRY FOREMANSHIP, SUPERVISION, & MGT DVLPT FOREMANSHIP, SUPERVISION AND MANAGEMENT DEVELOPMENT HEGIS: 5099 17170000 TITLE: USOE: TITLE: NO DOT ENTRY 5100 TITLE: BUSINESS DATA PROCESSING SYSTEMS
14020000 TITLE: BUSINESS DATA PROCESSING SYSTEMS OCCUPATIONS
020168010PROJECT DIRECTOR BUSINESS DATAMATH., PHYS. SCI., & REL.
169168058MANAGER ELECTRONIC DATA PROCESMANAG. WK.
213138014SUPERVISOR, MACHINE RECORDS UNSUPER. WK. (CLERICAL & REL HEGIS: USOE: SCIENTIFIC DATA PROCESSING SCIENTIFIC DATA PROCESSING HEGIS: TITLE: 16011700 TITLE: USOE: 020188030PROGRAMMER, ENGINEERING AND SCMATH., PHYS. SCI., & REL. R HEGIS: 5201 COMMUNITY HEALTH AIDE TITLE

COMMUNITY HEALTH AID

USOE:

07090600 TITLE:

NO DOT ENTRY

HEGIS: 5201 HEALTH SERVICES MANAGEMENT TITLE: USOE: .07990000 HEALTH OCCUPATIONS EDUCATION, OTHER TIJLE:

NO DOT ENTRY

5201 TITLE: HOME HEALTH AIDE 07030700 TITLE: HOME HEALTH AID 354878014HOME ATTENDANT (PER. SER.) HEGIS: USOE: CHILD & ADULT CARE

5202 TITLE: DENTAL ASSISTING 07010100 TITLE: DENTAL ASSISTING 079378010DENTAL ASSISTANT (MEDICAL SER.NURSING, X-RAY, & REL. SER. HEGIS: USOE:

HEGIS: TITLE: DENTAL HYGIENE 07010200 TITLE: DENTAL HYGIENE (ASSOCIATE DEGREE) 078368014DENTAL HYGIENIST (MEDICAL SER.NURSING, X-RAY, & REL. SER. USOE:

TITLE: DENTAL LABORATORY TECHNOLOGY 07010300 TITLE: DENTAL LABORATORY TECHNOLOGY 712281010DENTAL CERAMIST (MEDICAL SER.)CRAFTS & REL. 712381010CONTOUR WIRE SPECIALIST, DENTUCRAFTS & REL. 712381014DENTAL-LABORATORY TECHNICIAN CRAFTS & REL. 712781022ORTHODONTIC GOLD-BAND MAKER (MPRECISION WK. 712781022ORTHODONTIC GOLD-BAND MAKER (MPRECISION WK. 712381034MOLDER, BENCH (DENTAL EQUIP.) CRAFTS & REL. 712381042SET-UP MAN, DENTURE (MEDICAL SCRAFTS & REL. **KEGIS:** USOE: REL. WK.

5205 TITLE: CYTOLOGY, CYTOTECHNOLOGY 07020100 TITLE: CYTOLOGY (CYTOTECHNOLOGY) 078281014CYTOTECHNOLOGIST (MEDICAL SER.MAT. ANALYSIS & REL. WK. HEGIS: USOE:

5205 TITLE: HISTOLOGY 07020200 TITLE: HISTOLOGY 078381018TISSUE TECHNOLOGIST (MEDICAL SMAT. ANALYSIS & REL. WK. HE.G I S : USOE:

5205 TITLE: MEDICAL LABORATORY ASSISTING
07020300 TITLE: MEDICAL LABORATORY ASSISTING
078281010BIOCHEMISTRY TECHNOLOGIST (MEDMAT. ANALYSIS & REL.
078281018MEDICAL TECHNOLOGIST (MEDICAL MAT. ANALYSIS & REL.
078281022MICROBIOLOGY TECHNOLOGIST (DRUMAT. ANALYSIS & REL.
078381010MEDICAL-LABORATORY ASSISTANT (MAT. ANALYSIS & REL.
078678010LABORATORY ASSISTANT, PLASMA DSORT., INSPECT., & RE HEGIS: USOE:

5205 TITLE: H 07020400 TITLE: H 078281010HEMATOLOGY HEGIS: HEMATOLOGY USOE: HEMATOLOGY TECHNOLOGIST (MEDICMAT. ANALYSIS &

HEGIS: 5207 TITLE: RADIATION THERAPY 07050200 TITLE: USOE: RADIATION THERAPY N O DOT ENTRY

5207 TITLE: RADIOLOGICAL HEALTH TECHNICIAN 07070200 TITLE: RADIOLOGICAL HEALTH TECHNICIAN 199187010RADIATION MONITOR (PROFESS. & APPRAIS. & INVESTIGAT. WK **HEGIS:** USOE: 5207 TITLE: RADIOLOGIC TECHNOLOGY, X-RAY 07050100 TITLE: RADIOLOGIC TECHNOLOGY (X-RAY) 078368030RADIOLOGIC TECHNOLOGIST (SURGINURSING, X-RAY & REL. SER. HEGIS: ÚŠOE: HEGIS': TITLE: NURSING 07030100 TITLE: NURSING (ASSOCIATE DEGREE)
07030100 TITLE: NURSING (ASSOCIATE DEGREE)
075378010NURSE ANESTHETIST (MEDICAL SERNURSING,
075378014NURSE, GENERAL DUTY (MEDICAL SNURSING,
075378026NURSE, PRIVATE DUTY (MEDICAL SNURSING,
075378030NURSE-MIDWIFE (MEDICAL SER.) NURSING, USOE: X-RAY REL. X-RAY X-RAY REL. X-RAY X-RAY REL. HEGIS: NURSING ASSISTANCE, AIDE NURSING ASSISTANCE (AID) TITLE: USOE: 07030300 TITLE: 35587802260TTAGE PARENT (MEDICAL SER.) CHILD & 355878034NURSE AID (MEDICAL SER.) CHILD & 355878038ORDERLY (MEDICAL SER.) CHILD & ADULT CARE CHILD & ADULT ADULT CARE HEGIS: TITLÉ: NURSING . 07030100 TITLE: NURSING (ASSOCIATE DEGREE)
07030100 TITLE: NURSING (ASSOCIATE DEGREE)
075378010NURSE ANESTHETIST (MEDICAL SERNURSING, X-RAY
075378014NURSE, GENERAL DUTY (MEDICAL SNURSING, X-RAY
075378022NURSE, PRIVATE DUTY (MEDICAL SNURSING, X-RAY
075378026NURSE, STAFF, OCCUPATIONAL HEANURSING, X-RAY
075378030NURSE-MIDWIFE (MEDICAL SER.) NURSING, X-RAY USOE: REL. REL. SER. Ē REL. SER. REL. **HEGIS:** 5209 TITLE: PRACTICAL NURSING TITLE: 07030200 TITLE: PRACTICAL (VOCATIONAL) NURSING 079378026NURSE, LICENSED, PRACTICAL (MENURSING, X-RAY & REL. SER. 354878018MIDWIFE (MEDICAL SER.) CHILD & ADULT CARE 354878022NURSE, PRACTICAL (MEDICAL SER.CHILD & ADULT CARE USOE: 5210 TITLE: OCCUPATIONAL THERAPY 07040100 TITLE: OCCUPATIONAL THERAPY 0793680260CCUPATIONAL THERAPY AIDE (MEDNURSING, X-RAY & REL. HĚGIS: USOE: 5211 TITLE: OBSTETRICAL TECHNICIAN 07030600 TITLE: OBSTETRICAL TECHNICIAN 0793780260BSTETRICAL TECHNICIAN (MEDICANURSING, X-RAY & REL. WK. HEGIS: USOE: ..

HEGIS: 5211 TITLE: SURGICAL TECHNICIAN, OPERATING
USOE: 07030500 TITLE: SURGICAL TECHNICIAN (OPERATING ROOM FECHNICIAN)
079378042SURGICAL TECHNICIAN (MEDICAL SNURSING, X-RAY & REL. WK.

×.

5212 HEGIS: ORTHOPTICS TITLE: 07060200 TÎTLE: ÖRTHÖPTÎÇŞ 0793780300RTHOPTIST (MEDICAL SER.) USOE:

NURSING. X-RAY & REL. SER.

5212 TITLE: OPTOMETRIC TECHNICAL 07060300 TITLE: OPTOMETRIST ASSISTANT HEGIS: USOE:

NO DOT ENTRY

5212
TITLE: OPHTHALMIC DISPENSING
07060100 TITLE: OPHTHALMIC DISPENSING
299478010CONTACT-LENS TECHNICIAN (RET. CUSTOMER SER. WK
299884014OPTICIAN, DISPENSING (WET. TR.MANIPULATING
713251010OPTICIAN; DISPENSING (OPTICAL SALES & SER. WK.
713281014ARTIFICIAL-PLASTIC-EYE MAKER CRAFTS & REL. WK
713884066MOUNTER AND REPAIRER (OPTICAL MANIPULATING HEGIS: USOE:

HEGIS: MEDICAL RECORD TECHNOLOGY HEALTH OCCUPATIONS EDUCATION, OTHER 5213 TITLE: USOE: NO DOT ENTRY

5214 TITLE: MEDICAL 07090400 TITLE: MEDICAL 079368022MEDICAL ASSISTANT HEGIS: MEDICAL ASSISTANT ASSISTANT (ASSISTANT IN PHYSICIAN'S OFFICE), (MEDICAL SERNURSING, X-RAY & REL. SER. USOE:

5215 TITLE: INHALATION 107090300 TITLE: INHALATION 1079368018INHALATION THERAPIST **HEGIS:** INHALATION THERAPY USOE: (MEDICAL NURSING, X-RAY & REL. SER.

5216 S HEGIS: TITLE: PSYCHIATRIC AIDE 07030400 TÎTLE: PSYCHIATRIC AID 355878042PSYCHIATRIC AID (MEDICAL SER.)CHILD USOE:

5216. TITLE: 07080200 TITLE: HEGIS: MENTAL RETARDATION AIDE USOE: MENTAL RETARDATION AID NO DOT ENTRY

HEGIS: 5216 USOE: 07080100 TITLE: MENTAL HEALTH TECHNOLOGY 07080100 TITLE: NO DOT ENTRY MENTAL HEALTH TECHNICIAN

5217 0,7090100 ELECTROENCEPHALOGRAPH TECHNICIAN ELECTROENCEPHALOGRAPH TECHNICIAN HEGIS: TITLE: USOE: TITLE: 078368022ELECTROENCEPHALOGRAPH TECHNICINURSING, X-RAY & REL. SER. HEGIS: 5217. TITLE: ELECTROCARDIOGRAPH TECHNICIAN USOE: 07090200 TITLE: ELECTROCARDIOGRAPH TECHNICIAN 078368018ELECTROCARDIOGRAPH TECHNICIAN NURSING, X-RAY & REL. SER.

HEGIS: 5219 TITLE: PHYSICAL THERAPY TECHNOLOGY USOE: 07040200 TITLE: PHYSICAL THERAPY 355878014ATTENDANT, PHYSICAL THERAPY (MCHILD & ADULT CARE

HEGIS: 5299 TITLE: CENTRAL SUPPLY TECHNICIAN (HEALTH)
USOE: 07090500 TITLE: CENTRAL SUPPLY TECHNICIAN
223887010CENTRAL SUPPLY WORKER (MEDICALHANDLING

HEGIS: 5299 TITLE: EMERGENCY MEDICAL TECHNOLOGY USOE: 07090700 TITLE: MEDICAL EMERGENCY TECHNICIAN 354878010FIRST-AID ATTENDANT (ANY IND.)CHILD & ADULT CARE 355878010AMBULANCE ATTENDANT (MEDICAL SCHILD & ADULT CARE 355878026EMERGENCY-ENTRANCE ATTENDANT (USHER, MESS. SER., & REL.)

HEGIS: 5299 TITLE: ORTHOTICS
USOE: 07040400 TITLE: ORTHOTICS
0783680260RTHOTIST (SURGICAL APPL.) CHILD & ADULT CARE
7122810180RTHOPEDIC-APPLIANCE-AND-LIMB CRAFTS & REL. SER.
7128840460RTHOPEDIC-CAST SPECIALIST (MEMANIPULATING

HEGIS: .5299 TITLE: MORTUARY SCIENCE
USOE: 07090900 TITLE: MORTUARY SCIENCE
168287074MORTICIAN INVESTIGATOR (GOV. SAPPRAIS. & INVESTIGAT. WK.
338381010EMBALMER (PER. SER.) CRAFTS & REL. WK.
339381010LADY ATTENDANT (PER. SER.) CRAFTS & REL. WK.

HEGIS: 5299 TITLE: NUCLEAR MEDICAL TECHNOLOGY USOE: 07050300 TITLE: NUCLEAR MEDICAL TECHNOLOGY 078381014NUCLEAR MEDICAL TECHNOLOGIST (MAT. ANALYSIS & REL. WK.

HEGIS: 5299 TITLE: ORTHOPEDIC ASSISTING USOE: 07091000 TITLE: ORTHOPEDIC ASSISTING NO DOT ENTRY

HEGIS: 5299 TITLE: PROSTHETICS USOE: 07040300 TITLE: PROSTHETICS 078368026PROSTHETIST (SURGICAL APPL.) CHILD & ADULT CARE

HEGIS: 5299 TITLE: SCHOOL HEALTH AIDE USOE: 07030800 TITLE: SCHOOL HEALTH AID

HEGIS: 5300 TITLE: APPLIED MATHEMATICS NO USOE ENTRY 5301 TITLE: HEGIS: METALWORKING METALWORKING -T-I-T-L-E-:-USOE: NO DOT ENTRY 5302 TITLE: 17040000 TITLE: NO DOT ENTRY AVIATION OCCUPATIONS HEGIS: USOE: TITLE: AVIATION GROUND OPERATIONS
17040300 TITLE: GROUND OPERATIONS
193168010AIR-TRAFFIC COORDINATOR (GOV.SSCHED., EXPED. & REL. WI
193168014AIR-TRAFFIC-CONTROL SPECIALISTSCHED., EXPED. & REL. WI
193168018AIR-TRAFFIC-CONTROL SPECIALISTSCHED., EXPED. & REL. WI
193168010AIRPLANE-DISPATCH CLERK (AIR TFACIL.. SER.. & EXPED. WI
193168010AIRPLANE-DISPATCH CLERK (AIR TFACIL.. SER.. & EXPED. WI
19384010AIRPORT SERVICEMAN (AIR TRANS.INSPECT. & STOCK CHECK.
19388010TRIP FOLLOWER (AIR TRANS.) CLASSIF., FILING, & REL HEGIS: USOE: ₩K. REL. WK. FILING, & REL. TITLE: AIRCRAFT MAINTENANCE
17040100 TITLE: AIRCRAFT MAINTENANCE
021228010FIELD-SERVICE REPRESENTATIVE INDUST. TRAIN
021281010AIRCRAFT-AND-ENGINE MECHANIC CRAFTS & REL.
621281022AIRPLANE INSPECTOR (AIR TRANS.CRAFTS & REL.
621281046MECHANIC, FIELD-AND-SERVICE (ACRAFTS & REL.
621381014FLIGHT-TEST SHOP MECHANIC (AIRCRAFTS & REL.
621884010AIRCRAFT-AND-ENGINE MECHANIC MANIPULATING
693281010EXPERIMENTAL MECHANIC (AIRCRAFCRAFTS & REL. HEGIS: USOE: TRAINING REL. WK. WK. HEGIS: 5302 TITLE: AIRCRAFT OPERATIONS 17040200 TITLE: AIRCRAFT OPERATIONS 621281038FLIGHT ENGINEER (AIR TRANS.) USOE:

TITLE: TOOL AND DIE MAKING
17230700 TITLE: TOOL AND DIE MAKING
601130010T00L-AND-DIE FOREMAN (MACH. SHSUPER. WK
601280010DIE-MAKER APPRENTICE (MACH. SHSET-UP OR
601280014DIE MAKER, DIE-CASTING AND PLASET-UP OR
601280013DIE MAKER, TRIM (MACH. SHOP) SET-UP OR
601280022DIE MAKER, TRIM (MACH. SHOP) SET-UP OR
601280022DIE MAKER, WIRE DRAWING (MACH. SET-UP OR
601280034DIE-TEMPLATE MAKER, EXTRUSION SET-UP OR
601280058TOOL MAKER (MACH. SHOP)
601280062TOOL-AND-DIE MAKER (MACH. SHOPSET-UP OR
601280066TOOL-AND-DIE-MAKER (MACH. SHOPSET-UP OR
601280070TOOL-MACHINE SET-UP OPERATOR (SET-UP OR
601280070TOOL-MAKER APPRENTICE (MACH. SSET-UP OR
601281010DIE MAKER, BENCH, STAMPING (MACRAFTS & 6
601281030INSPECTOR, GAGE (MACH. SHOP) CRAFTS & 6
601281030INSPECTOR, GAGE (MACH. SHOP) CRAFTS & 6
601281034INSPECTOR, SET-UP AND LAY-OUT CRAFTS & 6
601281034INSPECTOR, SET-UP AND LAY-OUT CRAFTS & 6
601281034INSPECTOR, SET-UP AND LAY-OUT CRAFTS & 6
601281034INSPECTOR, TOOL (MACH. SHOP) CRAFTS & 6
601281034PLASTIC TOOL MAKER (MACH. SHOP) CRAFTS & 6
601381034PLASTIC FIXTURE BUILDER (MACH. CRAFTS & 6
601381034PLASTIC FIXTURE BUILDER (MACH. CRAFTS & 6
601381034PLASTIC FOOL MAKER (MACH. SHOP) CRAFTS & 6
601381034PLASTIC FIXTURE BUILDER (MACH. CRAFTS & 6
6013881034PLASTIC FIXTURE BUILDER (MA TITLE: TOOL AND DIE (FARM., MT WK. MÁCH. MACH. OPER. MACH. OPER. MACH. OPER. MA.CH. MACH. OPER. MACH. OPER. MACH. REL REL. WK.
REL. WK.
REL. WK.
REL. WK.
REL. WK.
REL. WK.
CONTROLLING PRECISION WK MANIPULATING MANIPULATING TITLE: DRAFTING
O01281010DRAFTSMAN, ARCHITECTURAL (PROFEDRAFTING & RI
O02281014DRAFTSMAN, ARCHITECTURAL (PROFEDRAFTING & RI
O02281014BRNGINEERING CHECKER (AIRCRAFT DRAFTING & RI
O02281010DRAFTSMAN, ELECTRONIC (PROFESSDRAFTING & RI
O03281011DRAFTSMAN, ELECTRONIC (PROFESSDRAFTING & RI
O032810122ESTIMATOR AND DRAFTSMAN (LIGHTDRAFTING & RI
O032810122ESTIMATOR AND DRAFTSMAN (LIGHTDRAFTING & RI
O05281014DRAFTSMAN, CIVIL (PROFESSDRAFTING & RI
O07187010DESIGNER (MACH. SHOP)
DRAFTING & RE
O07187010DESIGN CHECKER (PROFESSDRAFTING & RE
O07187010DESIGN CHECKER (PROFESSDRAFTING & RI
O07281014DRAFTSMAN, MECHANICAL (PROFESSDRAFTING & RI
O10281018DRAFTSMAN, MINE (MINING & QUARDRAFTING & RI
O110281018DRAFTSMAN, MINE (MINING & QUARDRAFTING & RI
O110281018DRAFTSMAN, MINE (PROFESS. & DRAFTING & RI
O117281010DRAFTSMAN, HULL-BALLAST CALCULMATH. PHYS
O117281010BARAFTSMAN, HOLL-BALLAST CALCULMATTING & RI
O117281010BARAFTSMAN, HILL-BALLAST CALCULMATTING & RI
O117281010BARAFTSMAN, 5304 17130000 TITLE: DRAFTING RĒL. REL. REL. REL. REL. REL. REL. SCI

HEGIS:

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HEGIS: 5305 TITLE: CHEMICAL TECHNOLOGY

16010500 TITLE: CHEMICAL TECHNOLOGY

008380010ANALYTICAL RESEARCH TECHNICIANSET-UP OR MACH. OPER.

008380014PILOT-PLANT OPERATOR (PETROL. SET-UP OR MACH. OPER.

022181010COLORIST (PROFESS. & KIN.) I MAT. ANALYSIS & REL. WK.

022281010ASSAYER (PROFESS. & KIN.) MAT. ANALYSIS & REL. WK.

022281014CHEMICAL-LABORATORY TECHNICIANMAT. ANALYSIS & REL. WK.

022384010CHEMIST HELPER, PETROLEUM (PETTECH. WK., SCI. & REL. WK.

024381010LABORATORY ASSISTANT (PETROL. MAT. ANALYSIS & REL. WK.

029281018LABORATORY TESTER (ANY IND.) IMAT. ANALYSIS & REL. WK.

029281026TESTER (PETROL. REFIN.)

530281010COLORMAN (PAPER & PULP) CRAFTS & REL. WK.

539384010PULP-AND-PAPER TESTER (PAPER &INSPECT. & STOCK CHECK.

558280010CHIEF OPERATOR (CHEM.) SET-UP OR MACH. OPER.

HEGIS: 5305

TITLE: PLASTICS

17270000

TITLE: PLASTICS OCCUPATIONS

553884010HEAT: WELDER; PLASTICS (FABRIC.MANIPULATING
556782010ARCH-EUSHION-PRESS OPERATOR (ROPERATING-CONTROLLING
5567820310JECTION-MOLDING-MACHINE OPOPERATING-CONTROLLING
556782034PLATE MOLDER (PEN & PENCIL; PROPERATING-CONTROLLING
556782034PLATE MOLDER (PEN & PENCIL; PROPERATING-CONTROLLING
556782034PLATE MOLDER (PEN & PENCIL; PROPERATING-CONTROLLING
556885034COMPRESSION-MOLDING-MACHINE TETTENDING
556885034COMPRESSION-MOLDING-MACHINE TETTENDING
556885034COMPRESSION-MOLDING-MACHINE TENDING
556885034D8PLILING-MACHINE OPERATOR (FABRIC.FENDING
556885070MOLDER, PIPE COVERING (FABRIC.FENDING
556885070MOLDER, PIPE COVERING (FABRIC.FENDING
55688503COMPLILING-MACHINE OPERATOR (FABRIC.PENDING
557782010EXTRUDER OPERATOR (FABRIC.PLANDING
557782010EXTRUDER OPERATOR (FABRIC.PLANDING
691782038F130F0RM-MACHINE OPERATOR (INOPERATING-CONTROLLING
590885130F0RM-MACHINE OPERATOR (INOPERATING-CONTROLLING
691782038EXTRUDING-MACHINE OPERATOR (INOPERATING-CONTROLLING
754381032PLASTIC DENCH MECHANIC (AIRCREAFTS & REL. WK.
754284014ASSEMBLER-AND-GLUER, LAMINATEDMANIPULATING
754884038LAMINATOR, PREFORMS (FABRIC.PMANIPULATING
754884038LAMINATOR, PREFORMS (FABRIC.PMANIPULATING
754884050PLASTIC LAY-UP MAN (MACH. TOOLMANIPULATING
754884050PLASTIC LAY-UP MAN (MACH. TOOLMANIPULATING
754884050PLASTIC LAY-UP MAN (MACH. TOOLMANIPULATING
754884050PLASTIC SABRICATOR (AIRCREAFTS & REL. WK.
779884966PLASTIC LAY-UP MAN (MACH. TOOLMANIPULATING
754884050PLASTIC MOLDER (MODEL & PATTERMANIPULATING

HEGIS: 5306 TITLE: AUTO BODY AND FENDER
USOE: 17030100 TITLE: BODY AND FENDER
807287010SHOP ESTIMATOR (AUTO. SER.).. APPRAIS. & INVESTIGAT. WK.
807381010AUTOMOBILE-BODY REPAIRMAN CRAFTS & REL. WK.
807381022BODY REPAIRMAN, BUS (AUTO. SERCRAFTS & REL. WK.
807884030FLOOR SERVICE MAN, SPRING (AUTMANIPULATING
845781018PAINTER, AUTOMOBILE (AUTO. SERPRECISION WK.

HEGIS: 5306 TITLE: AUTOMOTIVE SERVICES
USOE: 17030000 TITLE: AUTOMOTIVE SERVICES
379384010AUTOMOBILE TESTER (GOV. SER.) INSPECT. & STOCK GLERK.
6202810388US INSPECTOR (AUTO. SER.) CRAFTS & REL. WK.
620884054USED-CAR RENOVATOR (RET. TR.) MANIPULATING
806381034NEW-CAR GET-READY MAN (AUTO SECRAFTS & REL. WK.

5306° HEGIS: TITLE: AUTOMOTIVE MECHANICS 17030200 TITLE: MECHANICS
620281014AUTOMOBILE MECHANIC (AUTO. SERCRAFTS & REL.
620281018AUTOMOBILE TESTER (AUTO. SER.) CRAFTS & REL.
620381014AUTOMOBILE-SERVICE MECHANIC (ACRAFTS & REL.
620884010AUTOMOBILE-MECHANIC HELPER (AUMANIPULATING 17030200 TITLE: M 620281014AUTOMOBILE USOE: WK. 5307 TITLE: DIESEL MECHANIC
17120000 TITLE: DIESEL MECHANIC
625281010DIESEL MECHANIC (ANY IND.) CRAFTS & REL.
625281014DIESEL-ENGINE TESTER (ENGINE & CRAFTS & REL.
625281030FUEL-INJECTION SERVICEMAN (ANYCRAFTS & REL.
625884010DIESEL-MECHANIC HELPER (ANY INMANIPULATING HEGIS: CRAFTS & REL. WK. 5308 TITLE: HEGIS: WELDING AND CUTTING WELDING AND CUTTING USOE: 810884038WELDER, TACK (WELDING) 819381022WELDER, FITTER (WELDING) 819781010FIT-UP MAN (MACH. MFG.) MANIPULATING CRAFTS & REL. PRECISION WK. 5309 TITLE: CIVIL TECHNOLOGY 16010600 TITLE: CIVIL TECHNOLOGY 249288018FIELD-MAP EDITOR (CLERICAL), 249587010NOTE KEEPER (ANY IND.) HEGIS: USOE: SURV., PROSP., & REL. SORT., INSPECT., & RE HEGIS: USOE: 5309 16010602 ROADWAY TECHNOLOGY TITLE: TITLE: SANITATION TECHNOLOGY 025288010HYDROGRAPHER (WATERWORKS) SURV., PROSP., HEGIS: STRUCTURAL TECHNOLOGY STRUCTURAL TECHNOLOGY 5309 TITLE: 16010603 TITLE: STRUCTURAL TECHNOLOGY 019288018SPECIFICATION WRITER, ENGINEERTECH. USOE: 5310 TITLE: APPLIANCE REPAIR 17020000 TITLE: APPLIANCE REPAIR 827281022HOUSEHOLD-APPLIANCE REPAIRMAN CRAFTS & REL. WK. 827381018HOUSEHOLD-APPLIANCE-INSTALLATICRAFTS & REL. WK. HEGIS: USOE: HEGIS: **ELECTRONICS** TITLE: 17150000 TITLE: ELECTRONICS OCCUPATIONS
722281010INSPECTOR, SYSTEMS (ELECTRONICCRAFTS
722381014INSTRUMENT INSPECTOR (AIRCRAFTCRAFTS
726781010ELECTRONICS ASSEMBLER (ELECTROPRECIS:
729381030TESTER, SYSTEMS (ELECTRONICS) CRAFTS USOE: REL. REL. WK. (ELECTROPRECISION WK. HEGIS: TITLE: BUSINESS, MACHINE MAINT USOE: TITLE: BUSINESS MACHINE MAINTENANCE 6331310100FFICE-MACHINE-SERVICEMAN 6332810300FFICE-MACHINE SERVICEMAN 6332810340FFICE-MACHINE-SERVICEMAN FORESUPER. (ANYCRAFTS APPRCRAFTS WK. (FARM.,

5311 ELECTROMECHANICS **HEGIS:** TITLE: 16010900 TITLE: ELECTROMECHANICAL TECHNOLOG 019231022STANDARDS-LABORATORY TECHNICIARADIO USOE: TECHNOLOGY R TV TRANS. & RECEIVI 629281026ELECTRIC-EYE-SORTING-MACHINE TCRAFTS 712281014MEDICAL-APPRATUS MODEL MAKER (CRAFTS 806281018EXPERIMENTAL MECHANIC, ELECTRICRAFTS REL. TITLE: METALLURGY

17240000 TITLE: METALLURGY

502382010FLUOROS COPE OPERATOR (AIRCRAFTINSPECT. & STOCK CHECK.

504131010HEAT-TREAT FOREMAN (HEAT TREATSUPER. WK. (FARM. MFG. E

5042810110HEAT-TREAT INSPECTOR (HEAT TRECRAFTS & REL. WK.

504387010HARDNESS INSPECTOR (HEAT TREATINSPECT. & STOCK CHECK.

504387010HARDNESS INSPECTOR (HEAT TREATINSPECT. & STOCK CHECK.

5047820114CASE HARDENER (HEAT TREAT.) OPERATING-CONTROLLING

5047820126HEAT TREATER (HEAT TREAT.) OPERATING-CONTROLLING

504782026HEAT TREATER (HEAT TREAT.) I OPERATING-CONTROLLING

5047820230HEAT TREATER (HEAT TREAT.) II OPERATING-CONTROLLING

5047820334HEAT-TREATER APPRENTICE (HEAT OPERATING-CONTROLLING

5047820032HEAT-TREATER (HEAT TREAT.) II OPERATING-CONTROLLING

5047820032HEAT-TREATER APPRENTICE (HEAT OPERATING-CONTROLLING

609382010INSPECTOR, MAGNETIC (MACH. SHOINSPECT. & STOCK CHECK.

614884010TESTER OPERATOR (NONFER. METAL MANIPULATING

619381014INSPECTOR (NONFER. METAL ALLOYINSPECT. & STOCK CHECK.

619381014INSPECTOR (NONFER. METAL ALLOYINSPECT. & STOCK CHECK.

619387014INSPECTOR, WIRE (WIRE) INSPECT. & STOCK CHECK.

619387010INSPECTOR, TIN CAN (TINWARE) INSPECT. & STOCK CHECK.

619387010INSPECTOR, SURFACE PROCESSING INSPECT. & STOCK CHECK.

8193881010>ELD INSPECTOR (WELDING) INSPECT. & STOCK CHECK.

8193881010>ELD INSPECTOR (WELDING) INSPECT. & STOCK CHECK.

807387010INSPECTOR, SURFACE PROCESSING INSPECT. & STOCK CHECK.

8073887010INSPECTOR, SURFACE PROCESSING INSPECT. & STOCK CHECK. HEGIS: USOE: MFG. ETC F KEL OMR. CHECK. CHECK. INSPECT. & SICE PRODUCTION (INDUSTRIAL AND MECHANICAL) HEGIS: 5312 TITLE: 16011303 TITLE: PRODUCTION OF THE CHARLETT OF USOE: WK., ENGR. & WK., ENGR. & 019281026TEST TECHNICIAN (AGRIC. EQUIP.TECH. TITLE: INDUSTRIAL TECHNOLOGY

16011100 JITLE: INDUSTRIAL TECHNOLOGY

012188042MATERIAL SCHEDULER (AIRCRAFT MINDUSTR. ENGR. & REL. WK.

012188050PROCESS-DESCRIPTION WRITER (ANTECH. WRITING & REL. WK.

012188058PRODUCTION PLANNER (PROFESS. & INDUST. ENGR. & REL. WK.

012188078TOOL PLANNER (ANY IND.) INDUST. ENGR. & REL. WK.

012288010INDUSTRIAL ENGINEERING TECHNICINDUST. ENGR. & REL. WK.

539387010FINAL INSPECTOR, PAPER (PAPER INSPECT. & STOCK CHECK.

638281026MAINTENANCE TECHNICIAN (PROFESCRAFTS & REL. WK.

723381014MODEL MAKER, FLUORESCENT LIGHTCRAFTS & REL. WK. HEGIS: USOE: TEXTILE PRODUCTION AND FABRICATION 5313 17330000 T.I.TLE: HEGIS: TEXTILE PRODUCTION AND FABRICATION USOE: TITLE: 785381014SAMPLE STITCHER (GARMENT) 789687038GARMENT-ALTERATION EXAMINER CRAFTS & REL. WK SORT., INSPECT.,

HEGIS: 5314 TITLE: INSTRUMENT MAINTENANCE AND REPAIR OCC 17210000 TITLE: INSTRUMENT MAINTENANCE AND REPAIR 715381026COORDINATE-MEASURING-MACHINE TCRAFTS & REL. WK.

HEGIS: 5315

TITLE: ENGINE REPAIR

17310000

TITLE: SMALL ENGINE REPAIR, INTERNAL COMBUSTION
620281086MOTORCYLE REPAIRMAN (AUTO SER.CRAFTS. & REL. WK.
625281034GASOLINE-ENGINE REPAIRMAN (ANYCRAFTS. & REL. WK.
6252810380UTBOARD-MOTOR TESTER (ENGINE CRAFTS. & REL. WK.
625281042POWER-SAW MECHANIC (ANY IND.) CRAFTS. & REL. WK.
625381018LIFE TESTER, OUTBOARD MOTORS CRAFTS. & REL. WK.
806281030INTERNAL-COMBUSTION-ENGINE INSCRAFTS. & REL. WK.

HEGIS: 5315
USOE: 17320000 TITLE: STATIONARY ENERGY SOURCES OCCUPATIONS 950782054STATIONARY ENGINEER (ANY IND.) OPERATING-CONTROLLING 950885014B0ILER ROOM HELPER (ANY IND.) TENDING 951885010COAL-SUBSTATION ATTENDANT (ANYTENDING 951885014FIREMAN, HIGH PRESSURE (ANY INTENDING 951885018FIREMAN, LOW PRESSURE (ANY INDTENDING 951885022FIREMAN, MARINE (WATER TRANS.) TENDING 952782030POWER-PLANT OPERATOR (ANY IND.OPERATING-CONTROLLING

HEGIS: 5315

TITLE: PRODUCTION (INDUSTRIAL AND MECHANICAL)
USOE: 16011303 TITLE: PRODUCTION
019281018QUALITY-CONTROL TECHNICIAN (PRTECH. WK., ENGR. & REL.
019281026TEST TECHNICIAN (AGRIC. EQUIP.TECH. WK., ENGR. & REL.

HEGIS: 5315

TITLE: MECHANICAL TECHNOLOGY

USOE: 16011300 TITLE: MECHANICAL TECHNOLOGY

007181022ENGINEERING ASSISTANT, MECHANIDRAFTING & REL. WK.

C0718-1026MECHANICAL-ENGINEERING TECHNICTECH. WK., ENGR. & REL.

007187022TOOL PROGRAMMER, NUMERICAL CONENGR. & REL. WK.

029381026LABORATORY ASSISTANT (LIGHT, HMAT. ANALYSIS & REL. WK.

638281010AUTOMATED EQUIPMENT ENGINEER-TCRAFTS & REL. WK.

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TITLE: MACHINE SHOP

17230200 TITLE: MACHINE SHOP

600131010MACHINE-SHOP FOREMAN, TOOL (MASUPER. WK. (FARM., MFG. ETC

6002800110EXPERIMENTAL MECHANIC (MOTOR & SET-UP OR MACH. OPER.

600280018INSTRUMENT MAKER (ANY IND.) IISET-UP OR MACH. OPER.

600280022INSTRUMENT MAKER (ANY IND.)

600280022INSTRUMENT-MAKER APPRENTICE SET-UP OR MACH. OPER.

600280022INSTRUMENT-MAKER-AND-REPAIRMANSET-UP OR MACH. OPER.

600280030MACHINIST MACH. SHOP) I SET-UP OR MACH. OPER.

600280030MACHINIST APPRENTICE, MACH. SHEET-UP OR MACH. OPER.

600280034MACHINIST APPRENTICE, MACH. SEET-UP OR MACH. OPER.

600280034MACHINIST, EXPERIMENTAL

600280034MACHINIST, AUTOMOTIVE (MACH. SSET-UP OR MACH. OPER.

600280034MACHINIST, AUTOMOTIVE (AUTO. SSET-UP OR MACH. OPER.

600280050MACHINIST, SERBLER.

600280050MACHINIST, SERBLER.

600280062PATTERNMAKER APPRENTICE, METALSET-UP OR MACH. OPER.

600280062PATTERNMAKER, METAL (FOUND.) SET-UP OR MACH. OPER.

600280064PATTERNMAKER, SEEM-AND-GAS TURBICRAFTS & REL. WK.

600281014BACHINE BUILDER (MACH. MFG. CRAFTS & REL. WK.

600281016MACHINE SET-UP OPERATOR (MACH. SET-UP OR MACH. OPER.

600380022JOB SETTER (MACH. SHOP) SET-UP OR MACH. OPER.

600380030MACHINE SET-UP OPERATOR (MACH. SET-UP OR MACH. OPER.

600380030MACHINE SET-UP OPERATOR (MACH. SET-UP OR MACH. OPER.

600380034MODEL MAKER (LIGHT FIX.) SET-UP OR MACH. OPER.
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5315

TITLE: TOOL AND DIE MAKING
601130010TOOL-AND-DIE FOREMAN (MACH- SHSUPER-
601280010DIE-MAKER APPRENTICE (MACH- SHSET-UP-
601280014DIE MAKER, DIE-CASTING AND PLASET-UP-
601280014DIE MAKER, DIE-CASTING AND PLASET-UP-
601280022DIE MAKER, TRIM (MACH- SHOP) SET-UP-
601280022DIE MAKER, TRIM (MACH- SHOP) SET-UP-
601280026DIE MAKER, WIRE DRAWING (MACH-SET-UP-
601280034DIE-TEMPLATE MAKER, EXTRUSION SET-UP-
601280058TOOL MAKER (MACH- SHOP) SET-UP-
601280066TOOL-AND-DIE MAKER (MACH- SHOPSET-UP-
601280066TOOL-AND-DIE-MAKER (MACH- SHOPSET-UP-
601280070TOOL-MAKER, BENCH, STAMPING (MACRAFTS-
601281010DIE MAKER, BENCH, STAMPING (MACRAFTS-
601281010DIE MAKER, BENCH, STAMPING (MACRAFTS-
601281010DIE MAKER, BENCH, STAMPING (MACRAFTS-
601281030INSPECTOR, GAGE (MACH- SHOP) CRAFTS-
601281034INSPECTOR, SET-UP AND LAY-OUT CRAFTS-
601281034INSPECTOR, SET-UP AND LAY-OUT CRAFTS-
601281034INSPECTOR, SET-UP AND LAY-OUT CRAFTS-
601281034INSPECTOR, BENCH (MACH- SHOP) CRAFTS-
601281042PROGPESSIVE-DIE MAKER (MACH- SHOP) CRAFTS-
601281034INSPECTOR, BENCH (MACH- SHOP) CRAFTS-
601281042PROGPESSIVE-DIE MAKER (MACH- SHOP) CRAFTS-
601281042PROGPESSIVE-DIE MAKER (MACH- SHOP) CRAFTS-
601381034PLASTIC TOOL MAKER (MACH- SHOP) CRAFTS-
601381034PLASTIC TOOL MAKER (MACH- SHOP) CRAFTS-
601381042PROGPESSIVE-DIE MAKER (MACH- SHOP) CRAFTS-
601381042PROGPESSIVE-DIE MAKER (MACH- SHOP) CRAFTS-
601381042PROGPESSIVE-DIE MAKER (MACH- SHOP) CRAFTS-
601381044PROGPESSIVE-DIE MAKER (MACH- SHOP) CRAFTS-
601381044PROGPESSIVE-DIE MAKER (MACH- SHOP) CRAFTS-
601381044PROGPESSIVE-DIE MAKER (MACH- SHOP) PRECISI-
601782018TOOL DRESS HELPER (ANY IND-) PRECISI-
705884034FINAL FINISHER (MACH- SHOP) MANIPUL
705884034FINAL FINISHER (MACH- SHOP) MANIPUL
705884034FINAL FINISHER (MACH- SHOP) MANIPUL
      5315 TITLE: TOO
17230700 TITLE: TOO
601130010TOOL-AND-DIE
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REL.
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OPERATING-CONTROLLING
OPERATING-CONTROLLING
TENDING
PRECISION WK.
MANIPULATING
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HEGIS:

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USOE:

USOE:

5316 17200000 HEGIS: TITLE: INDUSTRIAL ATOMIC ENERGY USOE. TITLE: ENERGY NO DOT ENTRY HEGIS: TITLE: AIR CONDITIONING 17010000 TITLE: AIR CONDITIONING 620281010AIR-CONDITIONING MECHANIC (AUTCRAFTS 637281010AIR-CONDITIONING MECHANIC, COMCRAFTS 637281014AIR-CONDITIONING MECHANIC, DOMCRAFTS 801381014AIR-CRAFT MECHANIC, HEAT AND VECRAFTS USOE-: REL. REL. 5317 TITLE: DRYWALL INSTALLATION 17100800 TITLE: DRY-WALL INSTALLATION 840887010DRY-WALL SANDER (CONST.) 842884010DRY-WALL APPLICATOR (CONST.) 842884022TAPER (CONST.) HEGIS: HANDLING MANIPULATING MANIPULATING HEĞIS: 5317 17050000 TITLE: BLUEPRINT READING TITLE: BLUEPRINT READING USOE: READING NO DOT ENTRY TITLE: BUILDING CONSTRUCTION AND MAINT 17100000 TITLE: CONSTRUCTION AND MAINTENANCE TR 869281014HOUSE BUILDER (CONST.) CRAFTS & R 869287010BRIDGE INSPECTOR (R.R. TRANS.)APPRAIS. & 869381010CONDUIT MECHANIC (CONST.; LIGHCRAFTS & R 869381014HOUSE REPAIRMAN (CONST.) CRAFTS & R 869381018REPAIRMAN (LIGHT, HEAT, & POWECRAFTS & R 899381010MAINTENANCE MAN, BUILDING (ANYCRAFTS & R HEGIS: USOE: TRADES REL. WK. 2 INVESTIGAT. REL. REL. WK.

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HEGIS:
                                                                           TITLE:
                                                                                                            CARPENTRY
                                 111LE: CARPENIKY
17100100 TITLE: CARPENIKY
860131010BOATBUILDER FOREMAN, WOOD (SHISUPER, WK.
860131018CARPENTER FOREMAN (CONST.) SUPER. WK.
860131014BOWLING-ALLEY-INSTALLATION FORSUPER. WK.
860131022JOINER FOREMAN (SHIP & BOAT BLSUPER. WK.
860137010CARPENTER-LABOR FOREMAN (CONSTSUPER. WK.
      USOE:
                                                                                                                                                                                                                                              (FARM.,
                                                                                                                                                                                                                                              (FARM.,
                                                                                                                                                                                                                                                                               MF
                                                                                                                                                                                                                                                                                                   ETC
                                                                                                                                                                                                                                                                                       6.
                                                                                                                                                                                                                                              (FARM.,
                                                                                                                                                                                                                                                                               MF6.
                                                                                                                                                                                                                                                                                                   ETC
                                                                                                                                                                                                                                              (FARM.,
                                 860137010CARPENTER-LABOR FOREMAN (CONSTSUPER. 860281010CARPENTER INSPECTOR (ANY IND.) CRAFTS 860281014CARPENTER, MAINTENANCE (ANY INCRAFTS 860281018CARPENTER, SHIP'S (WATER TRANSCRAFTS 860381010ACOUSTICAL CARPENTER (CONST.) CRAFTS 860381014B0ATBUILDER APPRENTICE, WOOD CRAFTS 860381018B0ATBUILDER, WOOD CRAFTS 860381026CARPENTER (CONST.) CRAFTS 860381030CARPENTER APPRENTICE (CONST.) CRAFTS 860381038FORM BUILDER (CONST.)
                                                                                                                                                                                                                                               (FARM.,
                                                                                                                                                                                                                                     ŘEL.
                                                                                                                                                                                                                                                         WK.
                                                                                                                                                                                                                                      REL.
                                                                                                                                                                                                                                     REL.
                                860381030CARPENTER APPRENTICE (CONST.) CRAFTS & REL 860381038FORM BUILDER (CONST.) CRAFTS & REL 860381046JOINER (SHIP & BOAT BLDG. & RECRAFYS & REL 860381050JOINER APPRENTICE CRAFTS & REL 860381054SHIPWRIGHT (SHIP & BOAT BLDG. CRAFTS & REL 860381058SHIPWRIGHT APPRENTICE CRAFTS & REL 860381062TANK BUILDER AND ERECTOR CRAFTS & REL 860381066TANK ERECTOR (CONST.) CRAFTS & REL 860381066TANK ERECTOR (CONST.) CRAFTS & REL 860381060TANK ERECTOR (CONST.) PRECISION WK 860381014CARPENTER, ROUGH (CONST.) PRECISION WK 860884014SHORER (CONST.) MANIPULATING 860884014SHORER (CONST.) MANIPULATING 860887010CARPENTER HELPER, MAINTENANCE HANDLING 860887014CARPENTER HELPER, HARDWOOD HANDLING
                                                                                                                                                                                                                                     REL.
                                                                                                                                                                                                                                      REL.
                                                                                                                                                                                                                                     REL.
                                                                                                                                                                                                                                      REL.
                                                                                                                                                                                                                                      REL.
                                 860887014CARPENTER HELPER, HARDWOOD HANDLING
860887018LABORER, CARPENTRY (CONST.) HANDLING
860887022LABORER, CARPENTRY, DOCK HANDLING
860887030SHIPWRIGHT HELPER (SHIP & BOATHANDLING
 HEGIS:
                                 5317
                                                                                                           CONSTRUCTION EQUIPMENT
                                                                          TITLE:
                                17100300 TITLE:
NO DOT ENTRY
                                                                                                          HEAVY EQUIPMENT (CONSTRUCTION)
     USOE: //
                                                                                                          ELECTRICAL CONSTRUCTION
 HEGIS:
                                                                          TITLE:
                               TITLE: ELECTRICAL CONSTRUCTION

17100200 TITLE: ELECTRICITY

824138010ELECTRICIAN, CHIEF (MOTION PICSUPER. WK. (
824281010ELECTRICIAN (ANY IND.)

824281014ELECTRICIAN (ANY IND.)

824281022NEON-SIGN SERVICEMAN (SIGNS) CRAFTS & REL
824281022NEON-SIGN SERVICEMAN (SIGNS) CRAFTS & REL
824381010ELECTRICIAN, STAGE (AMUSE. & CRAFTS & REL
825381030ELECTRICIAN (SHIP & BOAT BLDG.CRAFTS & REL
829884014FLECTRICIAN HELPER (SHIP & BOAMANIPULATING
829887014ELECTRICIAN HELPER (ANY IND.) HANDLING
    USOE:
                                                                                                                                                                                                                                             (FARM.,
                                                                                                                                                                                                                                    REL.
                                                                                                                                                                                                                                                        WK.
                                                                                                                                                                                                                                    REL.
                                                                                                                                                                                                                                    REL.
                                                                                                                                                                                                                                REL.
HEGIS:
                                 5317
                                                                                                          ROOFING
                                                                          TITLE:
    USOE:
                                 17101000
                                                                                                          ROOFING
                                                                         TITLE:
                                866381010R00FER (CONST.) CRAFTS & REL
866381014R00FER APPRENTICE (CONST.) CRAFTS & REL
866884010CORRUGATED-SHEET-MATERIAL SHEEMANIPULATING
886887010R00FER HELPER (CONST.) HANDLING
                                                                                                                                                                                                                           & REL.
                                                                                                                                                                                                                                                       WK.
                               5317 TITLE: INDUSTRIAL ELECTRICITY
17140000 TITLE: ELECTRICAL OCCUPATIONS
825281022ELECTRICIAN (WATER TRANS.) CRAFTS
825281034ELECTRICIAN, LOCOMOTIVE (LOCO.CRAFTS
829281022ELECTRICAL REPAIRMAN (ANY IND.CRAFTS
HEGIS:
   USOE:
                                                                                                                                                                                                                                 REL.
                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                       WK.
                                                                                                                                                                                                                                   REL.
                                                                                                                                                                                                                                                        WK.
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REL.

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TITLE:
                                                                                                             MASONRY
         JSŌĒ:
                                  17100400 TIE: MASONRY
859884010BRICKLAYER, PAVING BRICK (CONSMANIPULATING
861381010BRICKLAYER (CONST.) CRAFTS & REL
861381012BRICKLAYER, FIREBRICK (ANY INDCRAFTS & REL
861381042MARBLE SETTER (CONST.) CRAFTS & REL
861381042MARBLE SETTER (CONST.) CRAFTS & REL
861381046MONUMENT SETTER (CONST.) PRECISION WK
861781010PERMASTONE MAN (CONST.) PRECISION WK
861781014SOFT-TILE SETTER (CONST.) PRECISION WK
861781022STONEMASON (CONST.) PRECISION WK
8617810300TERAZZO WORKER (CONST.) PRECISION WK
8617810300TERAZZO WORKER (CONST.) MANIPULATING
899884014CHIMNEY REPAIRMAN (BUS. SER.) MANIPULATING
                                     17100400
                                                                                                                                                                                                                                         REL . WK .
                                                                                                                                                                                                                                             WK.
                                                                           TITLE:
  HEGIS:
                                                                                                            PLASTERING
PLASTERING
                                 5317
17100600 TITLE: PLASTERING
842381010STUCCO MASON (CONST.)
842781010LATHER (CONST.)
842781018PLASTERER (CONST.)
842781026PLASTERER, MOLDING (CONC. PRODPRECISION
842884018PERMASTONE DRESSER (CONST.) MANIPULATI
842885010PLASTER-MACHINE TENDER (CONST.TENDING
842887010PLASTERER HELPER (CONST.)
HANDLING
    USOE:
                                                                                                                                                                                                                            & REL.
                                                                                                                                                                                                  MANIPULATING
HEGIS:
                                  5317
17100700
                                7317
71710700
7171E: PLUMBING AND PIPEFITTING
851884022PIPE LAYER (CGNST.), MANIPU
862281010COPPERSMITH (SHIP & BOAT BLDG.CRAFTS
862281022PIPE FITTER (SHIP & BOAT BLDG.CRAFTS
862381026PIPE FITTER (LIGHT, HEAT CRAFTS
862381030INDUSTRIAL—GAS FITTER (LIGHT, CRAFTS
862381042PIPE FITTER (CONST.) I
862381046PIPE FITTER, DIESEL ENGINE CRAFTS
862381074PLUMBER (CONST.)
CRAFTS
                                                                           TITLE:
                                                                                                           PLUMBING
                                                                                                                                              AND PIPE FITTING
    USOE:
                                                                                                                                                                                                 MANIPULATING
                                                                                                                                                                                                                                       REL.
                                                                                                                                                                                                                                       REL.
                                                                                                                                                                                                                                       REL.
                                                                                                                                                                                                                                       REL.
                                                                                                                                                                                                                                       RED.
                                862381074PLUMBER (CONST.)

862381074PLUMBER (CONST.)

862381082PLUMBER, MAINTENANCE (ANY IND.CRAFTS & REL 862381090STEAM SERVICEMAN (LIGHT, HEAT, CRAFTS & REL 862687010COOLING-PIPE INSPECTOR (CONST.SORT., INSPE 862884010FITTER (CONST.; PIPE LINES)

869884046LAWN-SPRINKLER INSTALLER (CONSMANIPULATING
                                                                                                                                                                                                                                       REL.
                                                                                                                                                                                                                                       REL.
                                                                                                                                                                                                                              & REL. WK
& REL. WK
INSPECT.,
HEGIS:
                                 5317
                                                                         TITLE:
                                                                                                           GLAZING
    USOE:
                                17100900 TITLE: 8651310106LAZIER
                                                                                                      GLAZING
FOREMAN
(CONST.)
                                                                                                                                                                                                 SUPER . WK. (F
                                                                                                                                       (CONST.)
                                                                                                                                                                                                                                             (FARM., MFG.
                                                                                                                                                                                                 PRECISION WK. MANIPULATING MANIPULATING
                                 8657810106LAZIER
                                865884010GLAZIER (LUNSI.)

865884010GLASS INSTALLER (AUTO. SER.) MANIPULATING

865884014GLASS INSTALLER (FURN.; PLAN. MANIPULATING

865884018GLAZIER, METAL FURNITURE (FURNMANIPULATING

865884030SAFETY-GLASS INSTALLER (AIRCRAMANIPULATING

865887010GLAZIER HELPER (CONST.) HANDLING
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TITLE: SHEET METAL

17230500 TITLE: SHEET METAL

616380022MULTI-OPERATION-FORMING-MACHINSET-UP OR MACH. OPER.

616380030SET-UP MAN, SHEET METAL (ANY ISET-UP OR MACH. OPER.

616380034SHEET-METAL-FABRICATING MACHINSET-UP OR MACH. OPER.

616780010B0DY-MAKER MAINTENANCE MAN (TISET UP & ADJUSTMENT.

616785046MULTI-OPERATION FORMING-MACHINTENDING.

617380018BRAKE OPERATOR, SHEET METAL (ASET-UP OR MACH. OPER.

617782022BUMPER OPERATOR (AIRCRAFT MFG. OPERATING-CONTROLLING.

617782042ROLL-FORMING-MACHINE OPERATOR OPERATING-CONTROLLING.

617885050ROLL-FORMING-MACHINE OPERATOR TENDING.

619380030MULTI-OPERATION-FORMING-MACHINSET-UP OR MACH. OPER.

619782070ROLL OPERATOR, SHEET METAL (ANTENDING.

619782102STRETCHER-LEVELER OPERATOR (NOTENDING.)

804281010SHEET-METAL WORKER (ANY IND.) CRAFTS & REL. WK.

809381026SHEET-METAL-WORKER APPRENTICE CRAFTS & REL. WK. HEGIS: USOE: 5317 TITLE: WOODWORKING 17360GOO TITLE: WOODWORKING NO DOT ENTRY HEGIS: USOE: TITLE: CUSTODIAL SERVICES
17110000 TITLE: CUSTODIAL SERVICES
358887010CHANGE-HOUSE MAN (ANY IND.)
381137010CHARWOMAN, HEAD (ANY IND.)
381137014PORTER, HEAD (ANY IND.)
381887014CHARWOMAN (ANY IND.)
381887026PORTER (ANY IND.) II
381887030PORTER (ANY IND.) II
382884010JANITOR (ANY IND.) II
389887018FLOOR WAXER (ANY IND.)
389887022SEXTON (NONPROFIT ORGAN.)
389887030WALL WASHER (ANY IND.) HEGIS: USOE: HANDLING SUPER. WK. (FARM., MFG. ETC HANDLING HANDLING HANDLING MANIPULATING HANDLING HANDLING HANDLING HEGIS: 5400 TITLE: . APPLIED SCIENCE (BIOLOGICAL) NO USOE ENTRY **HEGIS:** 5400 TITLE: APPLIED, SCIENCE (EARTH) NO USOE ENTRY

APPLIED SCIENCE (PHYSICAL)

HEGIS:

5400

NO USOE ENTRY

TITLE:

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TITLE: ANIMAL SCIENCE
01010100 TITLE: ANIMAL SCIENCE
153288026HORSE TRAINER (AMUSE. & REC.) ANIMAL TRAINING
411181010FARMER, DAIRY (AGRIC.) CROP., ANIMAL FA
4111884010FARM HAND, DAIRY (AGRIC.) I MANIPULATING
411884010FARM HAND, DAIRY (AGRIC.) II MANIPULATING
411885010MILKING=MACHINE OPERATOR (AGRITENDING
412181014POULTRY BREEDER (AGRIC.) CROP., ANIMAL FA
412181014POULTRYMAN, MEAT (AGRIC.) CROP., ANIMAL FA
412181022POULTRYMAN, MEAT (AGRIC.) CROP., ANIMAL FA
4121887014LABORER, HATCHERY (AGRIC.) MANIPULATING
4131331010STOCK—RANCH FOREMAN (AGRIC.) SUPER. WK. (FARM
413188010CAMP TENDER (AGRIC.) SUPER. WK. (FARM
413181014GOAT KEEPER (AGRIC.) CROP., ANIMAL FA
413181014GOAT KEEPER (AGRIC.) CROP., ANIMAL FA
413181022HORSE BREEDER (AGRIC.) CROP., ANIMAL FA
413181026SHEEP RANCHER (AGRIC.) CROP., ANIMAL FA
4131884030RANCH HAND, LIVESTOCK (AGRIC.) MANIPULATING
413884030RANCH HAND (AGRIC.) CROP., ANIMAL FA
4131881014BARN BOSS (ANY IND.) CROP., ANIMAL FA
4131881014BARN BOSS (ANY IND.) CROP., ANIMAL FA
419181010ANIMAL BREEDER (AGRIC.) CROP., ANIMAL FA
419181010ANIMAL BREEDER (AGRIC.) CROP., ANIMAL FA
419181010ANIMAL BREEDER (AGRIC.) CROP., ANIMAL FA
419181014BEEKEEPER (ANY IND.) CROP., ANIMAL FA
419181014BEEKEEPER (ANY IND.) CROP., ANIMAL FA
   HEGIS:
          USOE:
                                                                                                                                                                                                                                                                                                                      CROP., ANIMAL FARM., & CROP., ANIMAL FARM., & MANIPULATING MANIPULATING
                                                                                                                                                                                                                                                                                                                   ITENDING

CROP., ANIMAL FARM., & REL.

CROP., ANIMAL FARM., & REL.

CROP., ANIMAL FARM., & REL.

MANIPULATING

HANDLING

SUPER. WK. (FARM., MFG. ETC

CROP., ANIMAL FARM., & REL.

CROP., ANIMAL FARM., & REL.
                                                                                                                                                                                                                                                                                                                   MANIPULATING
SUPER. WK. (FARM., &
CROP., ANIMAL FARM.,
CROP., ANIMAL FARM.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REL.
                                                     5402 TITLE: AGRICULTURAL RESOURCES 01060000 TITLE: AGRICULTURAL RESOURCES (CONSERVATION, UTILIZATION, AND 180168010AIRPLANE PILOT-CONSERVATION OFMANAG. WK.
  HEGIS:
        USOE:
                                                     TITLE: AGRICULTURAL PRODUCTS
01040000 TITLE: AGRICULTURAL PRODUCTS (PROCESSING, INSPECTION AND MARKETING)
040381010LABORATORY TECHNICIAN, ARTIFICMAT. ANALYSIS & REL. WK.
168287014APIARY INSPECTOR (GOV. SER.) APPRAIS. & INVESTIGAT. WK.
 HEGIS:
                                                   5402 TITLE: FARM BUSINESS MANAGEMENT
01010400 TITLE: FARM BUSINESS MANAGEMENT
180168022GENERAL MANAGER, FARM (AGRIC.; MANAG. WK.
409168010MANAGER, FARM (AGRIC.) MANAG. WK.
409181010FARMER, TENANT (AGRIC.) CROP., ANI
HEGIS:
USOE:
                                                                                                                                                                                                                                                                                                            CROP.,
                                                 5402 TITLE: AGRICULTURE PRODUCTION
01010000 TITLE: AGRICULTURAL PRODUCTION
180118010FIELD MAN (ANY IND.) CONTR. NEGOT. & R
180168026GROUP LEADER (AGRIC.) MANAG. WK.
180168034MIGRANT LEADER (AGRIC.) MANAG. WK.
421181010FARMER, GENERAL (AGRIC.) CROP., ANIMAL FARM
421883010FARM HAND, GENERAL (AGRIC.) I DRIVING-OPERATING
421884010CARETAKER, FARM (AGRIC.) SUPER. WK. (FARM.
HEGIS:
     ŪŠŌE:
                                                                                                                                                                                                                                                                                                                                                                                          (FARM., MFG. ETC
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AGRICULTURAL MECHANICS

AGRICULTURAL MECHANICS

5402

HEGIS:

USOE:

5402 TITLE: 01030000 TITLE:

NO DOT ENTRY

5402

TITLE: PLANT SCIENCE
01010200 TITLE: PLANT SCIENCE
180168030MANAGER, PRODUCTION, SEED CORNMANAG. WK.
180168038SUPERINTENDENT (AGRIC., CAN. RMANAG. WK.
180168042SUPERINTENDENT, PRODUCTION (AGMANG. WK.
180168018FIELD SUPERVISOR, SEED PRODUCTMANAG. WK.
180168018FIELD SUPERVISOR, SEED PRODUCTMANAG. WK.
401137010DETASSELING-CREW SUPERVISOR (ASPER. WK. (FARM., MFG.)
401138010AREA FOREMAN (AGRIC.) SUPER. WK. (FARM., MFG.)
401181010FARMER, CASH GRAIN (AGRIC.) SUPER. WK. (FARM., MFG.)
402181010COTTON GROWER (AGRIC.) CROP., ANIMAL FARM., &
402883010FARM. HAND, COTTON (AGRIC.) IDRIVING-OPERATING
402181010VEGETABLE GROWER (AGRIC.) CROP., ANIMAL FARM., &
403187010ROW BOSS, THINING (AGRIC.) SUPER. WK. (FARM., MFG.)
403188010FARM. HAND, VEGETABLE (AGRIC.) IDRIVING-OPERATING
403188010FARM HAND, VEGETABLE (AGRIC.) SUPER. WK. (FARM., MFG.)
403188010FARM HAND, VEGETABLE (AGRIC.) SUPER. WK. (FARM., MFG.)
404181010FRUIT-FARM FOREMAN (AGRIC.) SUPER. WK. (FARM., MFG.)
404181010BERRY GROWER (AGRIC.) CROP., ANIMAL FARM., &
404181010BERRY GROWER (AGRIC.) CROP., ANIMAL FARM., &
404181010BERRY GROWER (AGRIC.) CROP., ANIMAL FARM., &
404183010CRANBERRY PICKER, MACHINE (AGRIC.) HANDLING
404883017FARM HAND, FRUIT (AGRIC.) IDRIVING-OPERATING
404883017FARM HAND, FRUIT (AGRIC.) IDRIVING-OPERATING
404883017FARM HAND, FRUIT (AGRIC.) HANDLING
404883017FARM HAND, FRUIT (AGRIC.) CROP., ANIMAL FARM., &
405181010HOP GROWER (AGRIC.) CR GIS: SÕE: MFG. ETC MFG. ETC ., & REL. & REL. REL. REL REL 429885010LABORER, SEED CORN (AGRIC.) 465887018LABORER, ORCHARD FUMIGATION ·HANDLING 5402 TITLE: SUPPLIES AND SERVICES
01020000. TITLE: AGRICULTURAL SUPPLIES/SERVICES
049384010BIOLOGICAL AID (AGRIC.)
096128014COUNTY AGRICULTURAL AGENT (GOVVOC. ED.
180168014ARTIFICIAL-BREEDING DISTRIBUTOMANAG. WK.
187168018DIRECTOR, AGRICULTURAL LABOR MANAG. WK.
421384010AGRICULTURAL AID (AGRIC.) TECH. WK., SCI.
469158010HARVEST CONTRACTOR (AGRIC.) PURCH. & SALES USOE: & REL. FIEL HEGIS: 5402 TITLE: ORNAMENTAL HORTICULTURE 01050000 TI USOE: ORNAMENTAL HORTICULTURE (PRODUCTION, PROCESSING, MARKETIN TITLE: HEGIS: 5403. TITLE: 01070000 FORESTRY (PRODUCTION, PROCESSING, MANAGEMENT, USOE: TITLE: NO DOT ENTRY

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HEGIS:
                                                                                     . COMMERCIAL FISHERY
      USOE:
                            17080000 TITLE: COMMERCIAL FISHERY OCCUPATIONS
197133010CAPTAIN, FISHING VESSEL (FISH.SUPER. WK. (FARM., MF)
197133018MATE, FISHING VESSEL (FISH)
431782010CLAM-DREDGE OPERATOR (FISH.)
431884010STAKE BOATMAN (FISH.)
431884026FISHERMAN, NET (FISH.)
431884030FISHERMAN, POT (FISH.)
431884050FISHERMAN, TERRAPIN (FISH.)
431884050FISHERMAN, TERRAPIN (FISH.)
431884066STRIKER (FISH.)
431884066STRIKER (FISH.)
431887010LABORER, WHARF (FISH.)
432884010FISHERMAN, LINE (FISH.)
432884010FISHERMAN, LINE (FISH.)
439687010CLAM DREDGEMAN (FISH.)
50RT., INSPECT., & REL
                              1,7080000
                                                                                           COMMERCIAL
                                                                TITLE:
                                                                                                                                FISHERY OCCUPATIONS
                                                                                                                                                                  SORT., INSPECT., & SORT., INSPECT., &
                             439687014CRAB INSPECTOR (FISH.)
                                                                                                                                                                  SORTA INSPE
MANIPULATING
                                                                                                                                                                                                                                   REL.
                             439884014NET MAN (FISH.)
525884030FISH CLEANER (CAN. & PR
589687014GRADER (CAN & PRESERV.)
922885034FISH BAILER (FISH.)
                                                                                                                                                              MANIPULATING
SORT., INSPECT., & REL. WK.
TENDING
                                                                                                                                 PRESERV.
    EGIS:
                           TITLE: FOOD SERVICES AND MANAGEMENT
C9020300 TITLE: FOOD MANAGEMENT, PRODUCTION, AND SERVICES
187168014 CATERER (PER. SER.)
187168038 DIRECTOR, SCHOOL LUNCH PROGRAMMANAG. WK.
187168066 MANAGER, CAFETERIA OR LUNCHROOMANAG. WK.
199281022TESTER, FOOD PRODUCTS (GRAIN MAT. ANALYSIS & REL
297258010PLANT HOSTESS (BAK. PROD.) DEMON. & SALES. WK.
297258010PCOOK (DOM. SER.)
305281010COOK (DOM. SER.)
310138010KITCHEN SUPERVISOR (HOTEL & SUPER. WK. (SER. & RI
313138014COOK, HEAD, SCHOOL CAFETERIA SUPER. WK. (SER. & RI
319138010FOOD-SERVICE SUPERVISOR (HOTELSUPER. WK. (SER. & RI
319874010CATERER HELPER (PER. SER.) MISC. CUSTOMER SERV.
                                                                                          FOOD SERVICES AND MANAGEMENT
                                                              TITLE:
     USOE:
                                                                                                                                                                                                                                  REL.)
 HEGIS:
                           5404
                                                             TITLE:
                                                                                        FOODS AND NUTRITION
                           09010700
    USOE:
                                                             TITLE:
                                                                                         FOODS AND NUTRITION
                           NO DOT ENTRY
                           5404 TITLE: 07090800 TITLE:
HEGIS:
                                                                                         FOOD SERVICE SUPERVISOR FOOD SERVICE SUPERVISOR
                                                             TITLE:
    ΰšōε:
                           NO DỐT ẾNTRỸ
                          5404 TITLE: QUANTITY FOOD
17290000 TITLE: QUANTITY FOOD OCCUPATIONS
187168022DIRECTOR, FOOD AND BEVERAGE (HMANAG. WK.
319138014MANAGER, FLIGHT KITCHEN (HOTELSUPER. WK.
319138018MANAGER, INDUSTRIAL CAFETERIA SUPER. WK.
HEGIS:
    USOE:
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(SER.

17350000 TITLE: UPHOLSTERING
173938101801TER, FABRICS AND MATERIALS CRAFTS & REL
1780131010FOREMAN, CUTTING-AND-SEWING DESUPER: WK. (
1780137010FOREMAN, UPHOLSTERY DEPARTMENTSUPER: WK. (
1780137010FOREMAN, UPHOLSTERY DEPARTMENTSUPER: WK. (
1780137010FOREMAN, UPHOLSTERY DEPARTMENTSUPER: WK. (
17801381014AUTOMOBILE-UPHOLSTERER (ANT) INCRAFTS & REL
1780381018FURNITURE-UPHOLSTERER (APPRENTICRAFTS & REL
1780381018FURNITURE-UPHOLSTERER (APPRENTICRAFTS & REL
1780381018FURNITURE-UPHOLSTERER (APPRENTICRAFTS & REL
1780381018FURNITURE-UPHOLSTERER (APPRENTICRAFTS & REL
1780381018FURNITURE-UPHOLSTERER (FURN.)
1780381018FURNITURE-UPHOLSTERE UPHOLSTERING UPHOLSTERING FABRICS AND M 5494 17350000 TLE: AND MATERIALS FARM., ŘEŁ. REL. REL . REL. WK INSPECT., INSPECT., INSPECT., INSPECT., 780887014CLIP-AND-TURN MAN (MATT: & BEDHANDLING 780887018CUSHION CLEANER (FURN.) HANDLING 780887022FEATHER-CUTTING-MACHINE OPERATHANDLING 780887030FILLER (HOUSE FURN.) HANDLING 780887030FILLER (HOUSE FURN.) HANDLING 780887034HASSOCK MAKER (HOUSE FURN.) HANDLING 780887034MATTRESS STRIPPER (MATT. & BEDHANDLING 780887042MATTRESS-SPRING ENCASER (MATT.HANDLING 780887042MATTRESS-SPRING INSERTER (AUTOHANDLING 780887050SPRING COVERER (FURN.) HANDLING 780887054STAPLER, HAND (MATT. & BEDSPRIHANDLING 780887058STUFFER (HOUSE FURN.) I HANDLING 780887062TUFTER, HAND (MATT. & BEDSPRIHANDLING 780887062TUFTER, HAND (MATT. & HANDLING 780887060TUFTER, HAND (MATT. & HANDLING 780887060TUFTER, HAND (MATT. & HANDLING 780887070UPHOLSTERER (AIRCRAFT MFG.) HANDLING 780887030UPHOLSTERER (AIRCRAFT MFG.)

REL. REL. REL.

HEGIS:

IEGIS: CLOTHING MANAGEMENT, PRODUCTION, SERVICES TITLE: 09020200 TITLE: CLOTHING MANAGEMENT, PRODUCTION, AND S
302887014LAUNDRESS (DOM. SER.)
309878010CLOTHING MAINTENANCE SPECIALISMISC. PER. SER. (
346381010WARDROBE-SPECIALTY WORKER (MO-CRAFTS & REL. WK.
346878010DRESSER (AMUSE. & REC.) MISC. PER. SER. (
346878034WARDROBE MISTRESS (AMUSE. & REMISC. PER. SER. (
346878030WARDROBE MISTRESS (AMUSE. & MISC. PER. SER. (
346878030WARDROBE MISTRESS ASSISTANT MISC. PER. SER. (
346878038WARDROBE MISTRESS ASSISTANT MISC. PER. SER. (
346878030WARDROBE MISTRESS ASSISTANT MISC. PER. (
34687803 CLOTHING MANAGEMENT, S (DOM. SER.) USOE: TITLE: PRODUCTION, AND SERVICES (FOOD SER. WK FOOD (FOOD SER. SER. (FOOD (FOOD DRESSMA & REL. WK. & REL. WK. REL. 8 TAILOR DRESSMA

HEGIS: 5405 TITLE: CLOTHING & TEXTILES USOE: 09010300 TITLE: CLOTHING AND TEXTILES NO DOT ENTRY

HEGIS: 5405 TITLE: FAMILY HEALTH USOE: 09010500 TITLE: FAMILY HEALTH NO DOT ENTRY

HEGIS: 5405 TITLE: HOME EQUIPMENT AND FURNISHING O9020400 TITLE: HOME FURNISHINGS, EQUIPMENT, AND SERVICES 163168010HOME-LIGHTING-DEMONSTRATOR MANAG. WK. 278258010HOME-SERVICE REPRESENTATIVE DEMON. & SALES. WK. 299258010HOME-LIGHTING ADVISER (LIGHT, DEMON. & SALES. WK. 780384026SLIPCOVER CUTTER (HOUSE FURN.)CRAFTS & REL. WK. 782884082SEWER, HAND (ANY IND.) DEMON. & SALES. WK. 787782086DRAPERY OPERATOR (RET. TR.) OPERATING-CONTROLLING 787782306SLIP-COVER SEAMSTRESS (HOUSE OPERATING-CONTROLLING

HEGIS: 5405

TITLE: INSTITUTIONAL & HOME MANAGEMENT & SPRT SRV

04130000 TITLE: INSURANCE

1.66168034SPECIAL AGENT (INSURANCE)

1.68268022INSURANCE EXAMINER (GOV. SER.)INVESTIGAT., PROTECT. & REL

1.69168034ESTATE PLANNER (INSURANCE)

1.69188014UNDERWRITER (INSURANCE)

1.69268018HOSPITAL—INSURANCE REPRESENTATINTERVIEW., INFO. GIV., & R

1.86118030MANAGER, INSURANCE (ANY IND.) ADMIN.

1.86168030MANAGER, INSURANCE OFFICE (INSMANAG. WK.

1.91268018INVESTIGATOR (INSURANCE) I INVESTIGAT., PROTECT. & REL

2.39368022PLACER (INSURANCE) INFO. GATHER., DISPENS. & R

2.41168010CLAIM ADJUSTER (INSURANCE) II INVESTIGAT., PROTECT. & REL

2.49268010CLAIM EXAMINER (INSURANCE) II INVESTIGAT., PROTECT., & RE

2.50258010CLAIM EXAMINER (INSURANCE) IDEMON. & SALES WK.

HEGIS: 5405 TITLE: HOUSING AND HOME FURNISHING USOE: 09010900 TITLE: HOUSING AND HOME FURNISHINGS NO DOT ENTRY

HEGIS: 5405 TITLE: CONSUMER EDUCATION NO DOT ENTRY

HEGIS: 5405 TITLE: HOME MANAGEMENT USOE: 09010800 TITLE: HOME MANAGEMENT NO DOT ENTRY

HEGIS: 5405 TITLE: CHILD DEVELOPMENT USOE: 09010200 TITLE: CHILD DEVELOPMENT NO DOT ENTRY

HEGIS: 5405 TITLE: CAPE AND GUIDANCE OF CHILDREN USOE: 09020109 TITLE: CARE AND GUIDANCE OF CHILDREN OF CHILD & ADULT CARE 307878026F0STER MOTHER (DOM. SER.) CHILD & ADULT CARE 359878018CHILD-CARE ATTENDANT, SCHOOL CHILD & ADULT CARE 359878014CHILD-CARE ATTENDANT (GOV. SERCHILD & ADULT CARE 359878022KINDERGARTNER (ANY IND.) CHILD & ADULT CARE 359878026CHILD-CARE ASSISTANT (ANY IND.CHILD & ADULT CARE

HEGIS: 5405 TITLE: HOMEMAKING (COMPREHENSIVE)
USOE: 09010100 TITLE: COMPREHENSIVE HOMEMAKING OR HOME ECONOMICS
NO DOT ENTRY

HEGIS: 5405 TITLE: FAMILY RELATIONS USOE: 09010'600 TITLE: FAMILY RELATIONS NO DOT ENTRY

HEGIS: 5406 TITLE: MARITIME OCCUPATIONS
USOE: 17220000 TITLE: MARITIME OCCUPATIONS
623131010MACHINIST FOREMAN, OUTSIDE SUPER. WK. (FARM., MFG. ETC
623281014JUNIOR ENGINEER (WATER TRANS.)CRAFTS & REL. WK.
623281018MACHINIST APPRENTICE, OUTSIDE CRAFTS & REL. WK.
623281022MACHINIST APPRENTICE, OUTSIDE CRAFTS & REL. WK.
623281026MACHINIST, MARINE ENGINE (SHIPCRAFTS & REL. WK.
623281030MACHINIST, OUTSIDE (SHIP & BOACRAFTS & REL. WK.
623281034MOTORBOAT MECHANIC (ANY IND.) CRAFTS & REL. WK.
6232810380UTBOARD-MOTOR MECHANIC (SHIP CRAFTS & REL. WK.
623381010GEAR MAN (WATER TRANS.) II CRAFTS & REL. WK.
623887010MACHINIST HELPER, OUTSIDE (SHIHANDLING

HEGIS: 5408 TITLE: ENVIRONMENTAL HEALTH ASSISTANT USOE: 07070100 TITLE: ENVIRONMENTAL HEALTH ASSISTANT NO DOT ENTRY

5408 HEGIS: TITLE: SANITATION 16010602 TITLE: SANITATION TECHNOLOGY 025288010HYDROGRAPHER (WATERWORKS) USOE: SURV., PROSP. 5408 07070300 HEGI'S: TITLE: SANITARIAN ASSISTANT USOE: TITLE: SANITARIAN ASSISTANT INSPECTOR (GOV. SER.)APPRAIS. 1682870945AN ITARY INVESTIGAT. HEGIS: 5500 TITLE: APPLIED PSYCHOLOGY/SOCIAL STUDIES NO USOE ENTRY TITLE: PUBLIC SERVICE OCCUPATIONS (OTHER 17289900 TITLE: PUBLIC SERVICE OCCUPATIONS, OTHER 168168010BUILDING INSPECTOR (GOV. SER.)INVESTIGAT., 168168026ELECTRICAL INSPECTOR (GOV. SER.)INVESTIGAT., 168168058MOTOR-TRANSPORTATION INSPECTORINVESTIGAT., 168168062PLUMBING INSPECTOR (GOV. SER.) INVESTIGAT., 168168082SAFETY INSPECTOR (GOV. SER.) INVESTIGAT., 168168082SAFETY MAN (INSURANCE) INVESTIGAT., 168168080SAFETY MAN (INSURANCE) INVESTIGAT., 168168090TRANSPORTATION INSPECTOR (MOTOINVESTIGAT., 168168090TRANSPORTATION INSPECTOR (R. RINVESTIGAT., 168268030LICENSE INSPECTOR (GOV. SER.) INVESTIGAT., 168268030LICENSE INSPECTOR (GOV. SER.) INVESTIGAT., 168268030LICENSE INSPECTOR (ANY INSPECTOR INVESTIGAT., 168268038SAFETY-AND-SANITARY INSPECTOR INVESTIGAT., 168287018B0ILER INSPECTOR (ANY IND.) I APPRAIS. & IN 168287020BUILDING INSPECTOR (INSURANCE)APPRAIS. & IN 168287020BUILDING INSPECTOR (INSURANCE)APPRAIS. & IN 168287022CHECK VIEWER (MINING & QUARRYIAPPRAIS. & IN 16828702CHECK VIEWER (MINING & Q HEGIS: (OTHER) PROTECT., PRŌTĒCT., PROTECT. PROTECT., PROTECT., PROTECT., PROTECTA. PROTECT., PROTECT., INVESTIGAT.
INVESTIGAT.
INVESTIGAT.
INVESTIGAT.
INVESTIGAT. WK. HEGIS: 5503 PERSONNEL, TRAINING, AND RELATED PERSONNEL, TRAINING, AND RELATED TITLE: 14060000 USOE: TITLE: OCCUPATIONS NO DOT ENTRY TITLE: LIBRARY AND LEARNING RESOURCES

17289900 TITLE: PUBLIC SERVICE OCCUPATIONS, OTHER
168168010BUILDING INSPECTOR (GOV. SER.)INVESTIGAT., PROTECT.,
168168026ELECTRICAL INSPECTOR (GOV. SERINVESTIGAT., PROTECT.,
168168058MOTOR-TRANSPORTATION INSPECTORINVESTIGAT., PROTECT.,
168168062PLUMBING INSPECTOR (GOV. SER.)INVESTIGAT., PROTECT.,
168168082SAFETY INSPECTOR (GOV. SER.) INVESTIGAT., PROTECT.,
168168082SAFETY MAN (INSURANCE) INVESTIGAT., PROTECT.,
168168090TRANSPORTATION INSPECTOR-(MOTOINVESTIGAT., PROTECT.,
168168090TRANSPORTATION INSPECTOR (MOTOINVESTIGAT., PROTECT.,
168268030LICENSE INSPECTOR (GOV. SER.) INVESTIGAT., PROTECT.,
168268030LICENSE INSPECTOR (GOV. SER.) INVESTIGAT., PROTECT.,
168268030LICENSE INSPECTOR (GOV. SER.) INVESTIGAT., PROTECT.,
168268030LICENSE INSPECTOR (ANY IND.) I APPRAIS. & INVESTIGAT.
168287018BOILER INSPECTOR (INSURANCE)APPRAIS. & INVESTIGAT.
168287020BUILDING INSPECTOR (INSURANCE)APPRAIS. & INVESTIGAT.
168287022CHECK VIEWER (MINING & QUARRYIAPPRAIS. & INVESTIGAT.
168287022CHECK VIEWER (MINING & QUARRYIAPPRAIS. & INVESTIGAT. **HEGIS:** USOE: PROTECT.,

HEGIS: USOE:

5505 TITLE: **ENFORCEMENT** 111LE: LAW ENFORCEMENT TRAINING
17280200 TITLE: LAW ENFORCEMENT TRAINING
375118010POLICE CHIEF (GOV. SER.) ADMIN.
375138010DESK OFFICER (GOV. SER.) SUPER.
375138014DESK OFFICER, CHIEF (GOV. SER.SUPER.
375168010COMMANDING OFFICER, HOMICIDE MANAG.
375168014COMMANDING OFFICER, INVESTIGATMANAG.
375168018COMMANDING OFFICER, HORBOR-POLMANAG. (CLERICAL & REL. (CLERICAL REL. 375168018COMMANDING OFFICER, HARBOR-POLMANAG. WK.
375168022COMMANDING OFFICER, MOTOR EQUIMANAG. WK.
375168026COMMANDING OFFICER, MOTORCYCLEMANAG. WK.
375168030DETECTIVE CHIEF (GOV. SER.) MANAG. WK.
375168034HARBOR MASTER (GOV. SER.) INVESTIGAT.,
375168038MATRON, HEAD (GOV. SER.) INVESTIGAT.,
375168042PILOT, HIGHWAY PATROL (GOV. SEINVESTIGAT.,
375168046POLICE CAPTAIN, PRECINCT (GOV. MANAG. WK.
375168050POLICE LIEUTENANT, PRECINCT (GOVINVESTIGAT.,
375168054POLICE SERGEANT, PRECINCT (GOVINVESTIGAT.,
375168062TRAFFIC LIEUTENANT (GOV. SER.) INVESTIGAT.,
375168066TRAFFIC SERGEANT (GOV. SER.) INVESTIGAT.,
375228010POLICE-SERGEANT (GOV. SER.) INVESTIGAT.,
375228010POLICE-SERGEANT (GOV. SER.) INVESTIGAT.,
375268010ACCIDENT-PREVENTION-SQUAD PATRINVESTIGAT. MANAG. WK. ADMIN. INVESTIGAT., PROTEC., PROTEC .. PROTEC., REL PROTEC., REL PROTEC., 2 REL 375168066TRAFFIC SERGEANT (GOV. SER.) INVESTIGAT.,
375228010POLICE—ACADEMY INSTRUCTOR (GOVINDUST. TRAIN
375268010ACCIDENT—PREVENTION—SQUAD PATRINVESTIGAT.,
375268018HOMICIDE—SQUAD PATROLMAN (GOV. INVESTIGAT.,
375268022INVESTIGATOR, NARCOTICS (GOV. INVESTIGAT.,
375268022INVESTIGATOR, NARCOTICS (GOV. INVESTIGAT.,
375268026PATROL CONDUCTOR (GOV. SER.) INVESTIGAT.,
375268030PATROLMAN (GOV. SER.) INVESTIGAT.,
375268034POLICE INSPECTOR (GOV. SER.) INVESTIGAT.,
375268034POLICE INSPECTOR (GOV. SER.) INVESTIGAT.,
375268046STATE—HIGHWAY PATROLMAN (GOV. INVESTIGAT.,
375268046STATE—HIGHWAY PATROLMAN (GOV. SERINVESTIGAT.,
375268050VICE—SQUAD PATROLMAN (GOV. SERINVESTIGAT.,
375388010FINGERPRINT CLASSIFIER (GOV. SCLASSIF., FIL
375868010BORDER PATROLMAN (GOV. SER.) INVESTIGAT.,
3753868010BORDER PATROLMAN (GOV. SER.) PROTECT. & RE
375868010BORDER PATROLMAN (GOV. SER.) INVESTIGAT.,
376368014MATRON (GOV. SER.) II PROTECT. & RE
376868014DETECTIVE (BUS. SER.) INVESTIGAT.,
376368010BORDER PATROLMAN (ANY IND.) I PROTECT. & RE
376868014DETECTIVE (ANY IND.) I PROTECT. & RE
376868014DETECTIVE (ANY IND.) I PROTECT. & RE
376868014DETECTIVE (ANY IND.) I PROTECT. & RE
3768680301NVESTIGATOR (LIGHT, HEAT, & PPROTECT. & RE
3768680301NVESTIGATOR (LIGHT, HEAT, & PPROTECT. & RE
376868034PATROLMAN (R. R. TANS.)— PROTECT. & RE
376868034PATROLMAN (R. R. TANS.)— PROTECT. & RE
376868038STORE DETECTIVE (RET. TR.) PROTECT. & RE
376868042UNDERCOVER OPERATOR (RET. TR.) PROTECT. & RE
377868010BAILIFF (GOV. SER.) REL TRAÍNING PROTEC., PROTEC., PROTEC., PROTEC., PROTEC., PROTEC., PROTEC., PROTEC., PROTEC., SERINVESTIGAT ., PROTEC., &
SERINVESTIGAT ., PROTEC., &
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R (GROUTINE CHECK. & RECORD
.) PROTECT . & REL . WK.
PROTECT . & REL . WK. PROTEC. & PROTECT: & REL. WK.

PROTECT: & REL. WK.

INVESTIGAT., PROTECT.,

(BUS. SEINVESTIGAT., PROTECT.,

NY IND.) PROTECT. & REL. WK.

PROTECT. & REL. WK. RĒL. REL. REL.

HEGIS: 5506

TITLE: RECREATION AND TOURISM

143858010CAMERA GIRL (AMUSE. & REC.) SELLING & REL. WK.

165168010DIRECTOR, TOURIST (GOV. SER.) MANAG. WK.

187168146MANAGER. GOLF CLUB (AMUSE. & MANAG. WK.

187168146MANAGER. THEATER (AMUSE. & REC.) CONTR. NEGOT. & REL. WK.

187168030DIRECTOR, HOBBY SHOP (AMUSE. & MANAG. WK.

191118010BOOKING AGENT (AMUSE. & REC.) CONTR. NEGOT. & REL. WK.

191118010BOOKING AGENT (AMUSE. & REC.) CONTR. NEGOT. & REL. WK.

191118010BOOKING AGENT (AMUSE. & REC.) CONTR. NEGOT. & REL. WK.

191118010BOOKING RECTOR, HOBBY SHOP (AMUSE. & REC.) CONTR. NEGOT. & REL. WK.

191118010BOOKING AGENT (AMUSE. & REC.) CONTR. NEGOT. & REL. WK.

191118010BOOKING RECTOR, RECREATION CENTER (PMANAG. WK.

211468062TICKET SELLER (CLERICAL)

237168010TRAVEL COUNSELOR (TONDROFIT ORSCHED., EXPED. & REL. WK.

285358010SALESPERSON, PHOTOGRAPHIC EQUIDEMON. & SALES WK.

286358010SALESPERSON, PHOTOGRAPHIC EQUIDEMON. & SALES WK.

286358010SALESPERSON, SPORTING GOODS (RDEMON. & SALES WK.

287358010SALESMAN, PIANO AND ORGAN (RETDEMON. & SALES WK.

287358010SALESMAN, PIANO AND ORGAN (RETDEMON. & SALES WK.

28935803SALESMAN, PIANO AND ORGAN (RETDEMON. & SALES WK.

28935803SALESMAN, PUBLICATIONS (WHOLE DEMON. & SALES WK.

28935805SALESPERSON, PETS AND PET SUP DEMON. & SALES WK.

28935805SALESPERSON, PETS AND PET SUP DEMON. & SALES WK.

28935805SALESPERSON, PETS AND PET SUP DEMON. & SALES WK.

28935805SALESPERSON, PETS AND PET SUP DEMON. & SALES WK.

28935805SALESPERSON, PETS AND PET SUP DEMON. & SALES WK.

28935805SALESPERSON, PETS AND PET SUP DEMON. & SALES WK.

28935805SALESPERSON, PETS AND PET SUP DEMON. & SALES WK.

28935805SALESPERSON, PETS AND PET SUP DEMON. & SALES WK.

28935806TALESPERSON, PETS AND PET SUP DEMON. & SALES WK.

28935805SALESPERSON, PETS AND PET SUP DEMON. & SALES WK.

28935805OSALESPERSON, PETS AND PET SUP DEMON. & SALES WK.

2893

HEGIS: USOE: TITLE: FIREFIGHTING

17280100 TITLE: FIREMAN TRAINING

373118010FIRE CHIEF (GOV. SER.) ADMIN.

373168010BATTALION CHIEF (GOV. SER.) ADMIN.

373168014CAPTAIN, FIRE-PREVENTION BUREAINVESTIGAT., PROTECT., & RE

37316802FIRE CAPTAIN (GOV. SER.) INVESTIGAT., PROTECT., & RE

37316802FIRE CHIEF (SAWMILL) INVESTIGAT., PROTECT., & RE

373168026FIRE INSPECTOR (GOV. SER.) INVESTIGAT., PROTECT., & RE

373168026FIRE MARSHAL (ANY IND.) INVESTIGAT., PROTECT., & RE

373884010FIRE FIGHTER, CRASH (AIR TRANSMANIPULATING

379387010FIRE INSPECTOR (ANY IND.) INSPECT. & STOCK CHECK.

APPENDIX E

A Pilot Sample Printout of the Program Data Monitoring System

*** MARYLAND COMMUNITY COLLEGE PPOGRAMS ***

INSTITUTION PROGRAM TITLE: CATONSVILLE COMM COL COLLEGE:

RECREATIONAL LEADERSHIP HEGIS DISCIPLINE:

RECR + SOC WORK RELATED TECH SIMILAR PROGRAMS IN MARYLAND COMMUNITY COLLEGES: HEGIS CODE:

RECREATIONAL LEADERSHIP PROGRAM TITLE COLLEGE NAME ALI.EGANY COMM COL STUDENT PARTICIPATION AND FOLLOW-UP SUMMARY

1976 1975 1974 PROJECTED ACTUAL P.T PROJECTED ACTUAL ENROLLMENT AWARDS

PROJECTED ACTUAL CFRT

PROJECTED EMPLOYMENT OPPORTUNITIES PROJECTED ACTUAL CTUAL PLACEMENT LOCAL Regional State

LOCAL REGIONAL STATE

BEGINNING

PROJECTED ACTUAL SALARY HISTORY

FROM SBCC STUDENT FOLLOW-UP STUDY

\$6,450.0G

\$6,800.00

DATE IMPLEMENTED:

SEP 1973 USOE CODE: MRRHAR

SEP 1975 ENROLLMENT FT PT

XX

AVERAGE COLLEGÉ COST PER FJE

ACTUAL PROGRAM COST PER FTE

ESTIMATED CAPITAL COST TO IMPLEMENT PROGRAM

BASED ON 20 FTE'S IN PROGRAM

APPENDIX F

Pilot Implementation

of Career Program Evaluation Model

CONTRACT PROPOSAL

PROJECT TITLE: Pilot Implementation of Career Program Evaluation Model
PROJECT DESCRIPTION: * See Attached
CONTRACT PERIOD Hanch 1,1975-962. 3D,1975 TOTAL AMOUNT OF CONTRACT: \$930.60
SOURCE OF FUNDS: Maryland State Board for Community Colleges
PROPOSED BUDGET RREAKDOWN:* See attached
. See attached
TERMINATION CLAUSE(S):
The responsible agency will maintain and retain all records and documents relating to the performance of this contract for a period of three years after completion of this project and will make such records available for audit and inspection by the State Board for Community Colleges. A final summary of this project will also e made available to the State Board for Community Colleges. The responsible agencial also comply with all State laws and procedures as appropriate, e.g., withholding taxes and Social Security. Submit this form in duplicate to the State Board. Authorized Eventual President
Authorized Representative Title Signature
Harford Community College Feb. 21, 1975
pproved: Brent M. Johnson, Assistant Executive Director Jan 1971 (197) SBCC Authorized Representative Title Signature Dute
isapproved:
SHCC Authorized Representative Title Signature Date
Use additional cheets if necessary.

Harford Community College proposes to serve as a pilot institution in implementing the Career Program Evaluation Model. In keeping with the model, a Level I evaluation will be conducted using historic records and supplementing this information by acquiring additional data where necessary. The data to be collected will include the following elements:

enrollments
completions
completions in the field of training
early leavers with marketable cills
salary levels
community response

The results of this process will serve as the input for determining the appropriateness of embarking on the second stage of the model, Level II.

The College will apply the concepts and methodology of the evaluation model to career programs in automotive engineering, business data processing, electronics, interior design, nursing, science lab technology, and secretarial.

Harford Community College will, upon assessment of the results of the Level I evaluation, conduct Level II evaluations on programs which warrant this action. The College will bear the costs associated with any Level II evaluations conducted.

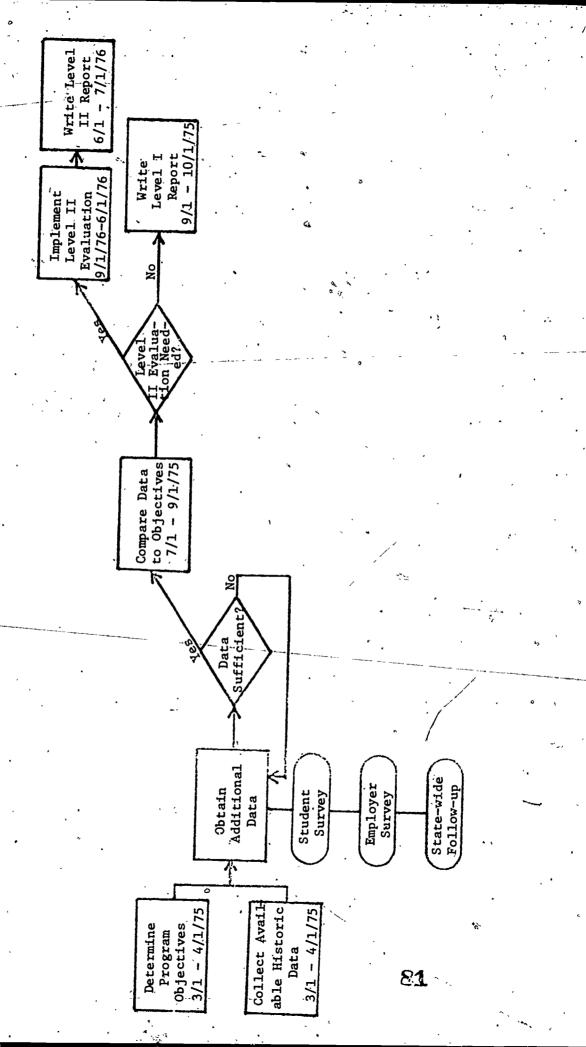
The flow chart which follows provides an overview of the process to be followed in the project. The funding requested will support the Level I evaluation from the period March 1, 1975 through October 1, 1975. A report of these activities will be submitted at the end of this period. In areas where a Level II evaluation is deemed appropriate by the project leader, such evaluations will be implemented and a report of these activities submitted to the State Board for Community Colleges. While a July 1, 1976 termination date is given for this aspect of the project, this date represents a maximum time period, since the number of programs to be so evaluated and the extent of these evaluations will not be known until completion of the Level I evaluation.

Beyond the benefits to these programs to be accrued through the implementation of the evaluation model, it is expected that this process will serve as a learning experience for the College which will facilitate the continued application of this evaluation model on the career programs at Harford Community College, and enhance similar applications by other community colleges in Maryland. A critical report describing the operation of the model at Harford Community College will be distributed to the staff of the State Board for Community Colleges and to the chairman of the committee that developed the evaluation model. The intent of this report will be to benefit the community colleges of Maryland in their use of this model.

The budget which is attached reflects the estimated financial implications associated with undertaking a Level I evaluation. Applying the evaluation model ex post facto will require more time and expense that would normally be the case if the model were implemented as it was designed as an on-going, yearly process. The major expense in this project will be the manpower needed for obtaining of archival information regarding students who have been involved in the curriculum and obtaining new information from these students regarding their current status. The remaining expenses are incidental to this main activity. As stated above, the College will assume the costs of any Level II evaluations conducted as its share in this project.



CO



PROPOSED BUDGET.

	*	, ,		• •				Cost
01	Salary & Wages	· r				•		•
~*.	Coordinator of Institutional Re Secretary to Coordinator of	search -	40	man/hours	9	,\$8 . 2	5 :	\$330.00
	Institutional Research Assistant Dean for Curriculum Secretary to Assistant Dean for	<i>₫</i> -	40 15	man/hours man/hours	9	\$2.7 \$9.7	5 5	150.00 146.25
• •	Curriculum Programmer	• • • • • • • • • • • • • • • • • • •		man/hours man/hours				72.00 46.20
02	Technical and Special Fees			•	•	•	,	
*	Computer time		2	hours		•	3	80.00
03	Communication	*				-		· v
	Postage	*	•	,		•	,	25.00
04	Travel	~	•		9	v		
,	consultant and related travel	ه بور،	•		9	12¢ :	mile	35,.00
09	Supplies and Materials					-		
7	Data Processing Supplies			`				10.00
1	Duplication and paper supplies	•				, ,		10.00
13	Fixed Charges			•	š	•		
•	Indiract costs at 2.9% of total	·.			•		_	26.25
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į		•	Tot	AL -	v		\$	930.60

APPĖNDĮX G

Comprehensive Career Information Systems

Committee Meetings Minutes

P.O. BOX 8717

FRIENDSHIP INT'L, AIRPORT (BALTIMORE, MARYLAND 21240)

MARYLAND STATE DEPARTMENT OF EDUCATION INTERNATIONAL TOWER BUILDING, 6510 ELKRIDGE LANDING ROAD LINTHICUM HEIGHTS, MARYLAND

DATE June 19, 1975

To:

Members of State Steering Committee on Career Information Systems

FROM:

James S. Smith, Specialist in Postsecondary Education

SUBJECT:

Summary of Meeting - June 18, 1975

On June 18, the committee met with JoAnn Harris-Bowlsbey and staff for a review of the Discover system. We were very impressed with the potential of this system for a number of reasons. Chief among these reasons could be its flexibility and built in capability for user adaptation to existing IBM model 370 systems. There is also flexibility for the user within the modules for change to meet local needs.

Project Discover plans call for introduction and field testing of the grades 7-12 guidance portion of the system in September, 1976. The administrative and guidance support portion of the system will be available in September, 1977. Work will continue toward development of the postsecondary adult segments in early 1978.

The committee agreed to make a review of GIS II, Time Share Corporation, Connecticut, its next objective. Because Chuck Morrissey and staff will be in Maryland during workshop activities for public school guidance counselors this summer, contact will be made to determine the feasibility of this committee meeting with him during the summer. A prototype of GIS II is in place in Connecticut.

Leadership of this committee now rests with Dr. Steve Miliman, at the Maryland State Board for Community Colleges. The success of the committee's work leading to recommendations rests with the involvement and contributions of each member. Our commitment to the original purpose to recommend procedures to the State for a career information system or systems that will strengthen and support Career Education for all persons from grade school on remains firm.

JSS:rf

MAILING ADDRESS
P.O. BOX 8717
FRIENDSHIP INT'L', AIRPORT
BALTIMORE, MARYLAND 21240

MARYLAND STATE DEPARTMENT OF EDUCATION INTERNATIONAL TOWER BUILDING 6510 ELKRIDGE LANDING ROAD LINTHICUM HEIGHTS, MARYLAND

May 7, 1975

DATE

Members of State Steering Committee on Career Information Systems

FROM:

To.

James S. Smith

SUBJECT:

Committee Visit to Educational Testing Service on May 2, 1975

Committee members who participated were: Dr. Atlee C. Kepler, Mr. Edward C. Kuhl, Jr., Dr. Stephen D. Millman, Ms. Virginia Rellihan, Mr. Talmadge Sexton, Mr. Jesse L. Starkey, and Mr. James S. Smith.

ETS staff members were Drs. Martin Katz and Art Kroll.

This report will largely avoid mention of data and facts about SIGI that can be found in the green brochure, <u>A Computer-based System of Interactive Guidance and Information</u>. SIGI was experimented with by all committee members for about half of the time that we spent at ETS. A two terminal system operating off a Digital Equipment Corporation's PDP-11 processing unit was available with a script similar, to that referred to in the brochure.

During discussion periods with Art Kroll and Martin Katz several significant facts became apparent which the committee should hold on to as we continue our examination of other systems. These may include more than the following since this summary is being prepared with too few notes:

- SIGI is really designed for community college students. It
 will accommodate the 12th grade high school student who desires
 more education. SIGI is primarily a system to assist students
 in the decision making process. It is not information oriented
 as a primary objective like the CIVIS.
- 2. The present SIGI script includes 140 occupational (job) categories with a uniform distribution across the levels requiring baccalaureate and less than baccalaureate preparations. This occupational list is to be expanded.
- 3. The present SIGI script is written at an 8th grade reading level.
- 4. It is recommended that students spend no more than about 45 minutes at one time at the equipment console. This means several sessions will be required with an average of 4 hours per student the ultimate requirement.
- 5. The system is designed for a single institutional use with the consortium configuration possible to include terminals in remote locations such as feeder high schools.

- 6. The hardware is clearly prescribed by ETS for best use of SIGI system. Through experimentation and testing ETS has determined that a mini-computer designed for time sharing and primarily dedicated to SIGI works best. Such a computer is deemed less expensive than the process of modifying existing multi-purpose computer frames such as an IBM 370.
- 7. ETS does not supply the hardware.
- 8. ETS will make modifications to SIGI if it can respond to a specification of needs from a user. It will not authorize the SIGI system to be coupled with other systems or subsystems.
- 9. ETS encourages the use of SIGI on either statewide, regional, or college basis. It will entertain specifications for design and application of SIGI in these modes.
- 10. ETS staff, especially Art Kroll, is knowledgeable and sympathetic to the needs of Maryland and the assignment of the committee. The impression here is that they assumed that we had already established an objective to investigate systems that would serve either the entire State or at least regional areas of the State.

The ETS staff encouraged our return to Princeton to spend more time with the SIGI system as our committee work developed.

In addition to the SIGI lease cost figures included in the folder received by ETS visit participants, there are available cost data in computer printout form, dependent upon variables prescribed by committee members. A copy is attached.

For example an analysis of costs for a 4 terminal system including capital costs, maintenance, and terminal connect per month, would be as follows:

Central processor	t61.82d
Central processor maintenance	497
Terminal monthly maintenance	/44
SIGI license fee (based upon 5000 enrollment)	

The next meeting of the steering committee will be planned for sometime in June. It will be our task to continue our examination of the various systems available. These <u>could</u> include PLATO, DISCOVER, OIAS (Oregon), VICS (Philadelphia), and TIME SHARE. The details of the next meeting will reach you soon.

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MARYLAND STATE DEPARTMENT OF EDUCATION INTERNATIONAL TOWER BUILDING 6510 ELKRIDGE LANDING ROAD LINTHICUM HEIGHTS. MARYLAND

March 5, 1975

DATE

Members of the Steering Committee on Comprehensive Career Information Systems

FROM: James S. Smith, Specialist in Postsecondary Education

SUBJECT: Summary of Meeting - February 28, 1975

On the attachment to this summary of the meeting of February 28, 1975 are the names of committee and participants. The work of the steering committee received valuable impetus from the contribution of these persons representing nine different schools, colleges, or agencies.

The morning session commenced with valuable opening remarks by Dr. O'Connell and Mr. James Reid. Both emphasized the need for comprehensive manpower data and information for both the program and student planning processes. Comprehensive planning for all people who are recipients of education is necessary so that the State can truly focus on priorities for human and fiscal resources. There is a demonstrated need for occupational information and career training. Increasing numbers of persons are availing themselves of such educational opportunities with the community colleges now reporting over 40% of enrollments in occupational programs. The committee should examine the total program of information, data and decision making and optional directions and make recommendations. Should the State or a region pursue a computerized system? If so, what system? What are the communication system options?

Since articulation between education levels is so important, how can the committee's recommendations lead to further improvement?

Niel Carey reviewed several of the exemplary projects that have supported information systems development and installation. The use of a computerized system is a tool that provides both student motivation and service to the institution as it develops total guidance, counseling, placement, and follow-up services.

Ed Kuhl emphasized the need for regional information which will help force regional planning. Also the need for abstract occupational information along with actual job information is important.

Joel Matz feels that the state doesn't have sufficient planning information but an interagency group is making progress toward good data including both occupational needs and the educational supply.

Steve Millman related possible actions that could include exporting CVIS and added elements such as the University of Maryland transfer-information to other regions. He believes we should find out all we can about systems and then decide which way to go.

The common thread weaving through all the morning discussion was the agreement that much should be done to make available resources both human and material so students can and do make realistic occupational/educational decisions. In this writer's opinion many programs and projects indicate that it can be done on a statewide comprehensive basis with the collective support of employment, manpower planning and educational agencies.

The first item on the afternoon session agenda was a complete description of CVIS (now referred to as SMIS, a modified CVIS). Representing Charles County Community College and the cooperating counties of Southern Maryland, Tom Sexton reviewed the development and operation of the multi-county system. A highly commendable slide-tape media presentation was used by Tom to assist in the review. It was brought to our attention that an evaluation of the project is being handled by staff from Educational Testing Service.

Since the primary purpose of the initial meeting of the Steering Committee on Comprehensive Career Information Systems was to set goals and directions for its operation, a summary of these will conclude this report. Goals agreed upon consist of the following, unordered chronoligically:

- 1. Examine total program requirements for information and the options for delivery.
- 2. Explore other (than CVIS) information systems and possible modifications for CVIS.
- 3. Explore State-widé and regional network possibilities.
- 4. Cooperate in any way possible in the development of employment needs data that is compatible with information system.
- 5. Try to arrive at answers to such questions as what system, if any, should be recommended? Where does sufficient hardware exist in the State? How can information about State communication systems be obtained?
- 6. Have a report with recommendations regarding comprehensive information systems in the hands of the State Board for Community Colleges and Division of Vocational-Technical Education by June 30, 1976.

The next meeting will occur in April 1975. To be planned for that meeting is a visit to Princeton, N.J. and ETS to look at SIGI (System of Interactive Guidance and Information) in operation. Details will be forwarded so you can make plans.

Future information gathering meetings will be concerned with other systems such as Discovery and newer Time-Share Co. developments.



LIST OF PARTICIPANTS

- Mr. E. Niel Carey Specialist in Vocational Guidance
 Maryland State Department of Education
- Dr. Atlee C. Kepler President
 Hagerstown Junior College
- Mr. Edward C. Kuhl, Jr. Dean of Student Services Harford Community College
- Mr. Joel Matz Executive Director
 State Manpower Planning Council
- Dr. Stephen D. Millman Specialist in Student Services
 Maryland State Board for Community Colleges
- Dr. Alfred C. O'Connell Executive Director
 Maryland State Board for Community Colleges
- Mr. James L. Reid Assistant State Superintendent in Vocational-Technical Education, Maryland State Department of Education.
- Ms. Virginia Rellihan Counselor
 Chopticon Senior High School
- Mr. Talmadge Sexton Associate Dean for Administration Charles County Community College
- Mr. James S. Smith Specialist, Postsecondary Education
 Maryland State Department of Education
- Mr. Jesse L. Starkey Superintendent of Schools Charles County Public Schools

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