

*North Carolina*  
*State Plan for*  
*Vocational Education*

THREE YEAR PLAN

FISCAL YEARS 1986 - 1988

STATE BOARD OF EDUCATION  
RALEIGH, NORTH CAROLINA

"It is the intent of the General Assembly that vocational education be an integral part of the educational process." The State Board of Education and the State Board of Community Colleges shall administer, through local boards, a comprehensive program of vocational education which shall be available to all students who desire it without regard to race, sex, national origin, or handicap.

APPROVAL CERTIFICATE

The State Plan for Vocational Education beginning July 1, 1986 under the Carl D. Perkins Vocational Education Act, is hereby accepted by the Secretary, U. S. Department of Education as fully meeting the requirements of the Act (PL 98-524) and its regulations.

Submitted by the State of North Carolina

Adopted by North Carolina State Board of Education

Date Adopted

Date Submitted

Effective Date: July 1, 1986

APPROVAL RECOMMENDED: Director, Division of Vocational Education

APPROVED: Secretary, U. S. Department of Education

DATE APPROVED:





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1.00 CERTIFICATIONS

EDGAR 76.104

- 1.01 The State Board of Education is eligible to submit the three-year State plan (FY 1986-87-88) and the Accountability Report (FY 1984) as authorized under Title I, Part B, Sec. III, of the Carl D. Perkins Vocational Education Act (PL98-524) 20 USC- - -
- 1.02 The State Board of Education has authority under State law to perform the functions of the State under the program;
- 1.03 The State legally may carry out each provision of the State Plan;
- 1.04 All provisions of the State Plan are consistent with State law;
- 1.05 The Controller of the State Board of Education has authority under State law to receive, hold, and disburse Federal funds made available under the foregoing plan;
- 1.06 The State Board of Education has authority to submit the State Plan;
- 1.07 The State Board of Education has adopted and formally approved the State Plan on \_\_\_\_\_, 1985;
- 1.08 The State Plan is the basis for State operation and administration of the program.
- 1.09 State Intergovernmental Review Process:  
The State Board processed the State Plan for Vocational Education in accordance with Executive Order 12372, and submitted same to the Office of Policy and Planning, Department of Administration on \_\_\_\_\_, 1985.

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Official Name of State Board)

BY: \_\_\_\_\_

(State Superintendent)

## 2.00 ASSURANCES

- 2.01 The State Board will comply with the requirements of Titles I, II, III, and V of the Act. Where appropriate, the manner in which the State Board will comply is described in this State Plan.
- 2.02 The State will comply with the distribution of assistance requirements as contained in Title IIA, Section 203, of the Act.
- 2.03 Provisions are made for handicapped and disadvantaged students in private elementary and secondary schools to participate in vocational education programs assisted under Title IIA in accordance with Title IB, Section 113(b)(1)(C) of the Act.
- 2.04 In accordance with Title IB, Sec. 113 (b)(4) the State will distribute at least 80% of the funds available for Title IIA and B to eligible recipients except that 100% of the funds, available for handicapped and disadvantaged individuals, as provided by Title IIA, Sec. 202, will be distributed to eligible recipients in accordance with Title IIA, Sec. 203(a).
- 2.05 The use of funds available for single parents and homemakers under Title IIA, Section 201 (b)(4) the State will emphasize assisting individuals with the greatest financial need and special consideration will be given to homemakers who because of divorce, separation, or the death or disability of a spouse must prepare for paid employment.
- 2.06 The State will provide relevant training and vocational educational activities to men and women who desire to enter occupations that are not traditionally associated with their sex.
- 2.07 In accordance with Title IB, Section 113(b)(9), the State will (1) develop measures for evaluating the effectiveness of programs assisted under the Act in meeting needs identified in the State Plan including appropriate measures for evaluating the effectiveness of programs for the handicapped, and (2) that each program year, the State will evaluate all of the projects, services, and activities under Titles II and III of not less than 20% of the participating eligible recipients.
- 2.08 The State will fund programs of personnel development and curriculum development to further the goals identified in the State plan.
- 2.09 The vocational education needs of those identifiable segments of the population in the State with the highest rates of unemployment have been assessed and such needs are reflected in and addressed by the State Plan.
- 2.10 The State Board will cooperate with the State Council on Vocational Education, here-in-after referred to as the State Council, as necessary to assist the Council in carrying out its duties.

- 2.11 The State and/or eligible recipients will not expend funds under this Act to acquire equipment (including computer software) in an instance in which such acquisition results in a direct financial benefit to any organization representing the interest of the purchasing entity, its employees, or any affiliate of such an organization.
- 2.12 For each fiscal year, expenditures for career guidance and counseling from allotments for Title II and Part D of Title III will not be less than the expenditures for such guidance and counseling for FY 1984 assisted under Section 134(a) of the Vocational Education Act of 1963.
- 2.13 Federal funds will be used to supplement, and to the extent practicable, increase the amount of State and local funds that would in the absence of such Federal funds be made available for the uses specified in the State Plan, and in no case supplant such State or local funds.
- 2.14 The State will provide for such fiscal control and fund accounting procedures necessary to assure the proper disbursement of, and accounting for, Federal funds paid to the State including funds paid by the State to eligible recipients.
- 2.15 The State, in accordance with Title IB, Section 113(b)(1)(A) and Title IIA, Section 203(a), will use funds distributed under Section 203(a) for vocational education services and activities for handicapped individuals and disadvantaged individuals to provide (1) for equal access in (a) recruitment, enrollment, and placement activities; and (b) to the full range of vocational education programs available including occupational specific courses for study, cooperative education, and apprenticeship programs, (2) for programs and activities for handicapped individuals in the least restrictive environment and which, whenever appropriate, are included as a component of the student's individualized education plan, and (3) programs which are planned through the coordination of appropriate representatives of vocational education and special education.
- 2.16 Subject to availability of funds, programs under Adult Training, Retraining, and Employment Development Title III, Part C, (1) are designed with the active participation of the State Council, (2) make maximum use of existing institutions, (3) are planned to avoid duplication of programs or institutional capabilities, (4) designed, to the fullest extent possible to strengthen institutional capacity to meet education and training needs addressed by Title III, Part C. (5) involves close cooperation with and participation by public and private sector employers, and public and private agencies working with problems of employment and training and economic development, and (6) where appropriate, involves coordination with programs under the Rehabilitation Act of 1973 and the Education of the Handicapped Act.



2.17 (1) Subject to the availability of funds, funds received under the Industry-Education Partnership for Training in High-Technology Occupations Program Title III, Part E will be used (a) solely for vocational education programs designed to train skilled workers and technicians in high-technology occupations, including programs providing related instruction to apprentices, and projects to train skilled workers needed to produce, install, operate, and maintain high technology equipment, systems, and processes, (b) to the maximum extent practicable, in coordination with JTPA to avoid duplication of effort, and to ensure maximum effective utilization of funds under the Act and JTPA, (2) that except as provided by Title III, Part E, Section 342(c) not less than fifty percent of the aggregate costs of projects assisted under that program will be provided from non-Federal sources and that not less than fifty percent of the non-Federal share will be provided by participating businesses and industrial firms; (3) that projects assisted under that program will be (a) coordinated with similar programs assisted under Title II, and, to the maximum extent practicable, supportive services will be organized so as to serve both programs, and (4) projects under this program will be developed with the active participation of the State Council.

PART B

3.00 DESCRIPTIONS

3.01 ADMINISTRATION OF VOCATIONAL EDUCATION AND DELEGATION OF RESPONSIBILITIES

- (a) In North Carolina General Statute 115C-153, the State Board of Education, here-in-after referred to as the State Board, shall be "the sole State Agency for the State administration of vocational education at all levels, shall be designated as the State Board of Vocational Education, and shall have all necessary authority to cooperate with any and all federal agencies in the administration of national acts assisting vocational education, to administer any legislation pursuant thereto enacted by the General Assembly of North Carolina, and to cooperate with local boards of education in providing vocational and technical education programs, services, and activities for youth and adults residing in the area under their jurisdiction."
- (b) In G. S. 115D-3, "The Department of Community Colleges shall be a principal administrative department of State government under the direction of the State Board of Community Colleges, and shall be separate from the free public school system of the State Department of Public Education. The State Board shall have authority to adopt and administer all policies, regulations, and standards which it may deem necessary for the operation of the Department."
- (c) Executive Officer Designation - "As provided in Article IX, Section 4 (2) of the North Carolina Constitution, the Superintendent of Public Instruction shall be the secretary and chief administrative officer of the State Board of Education." (Article 3, G. S. 115C-19) It shall be the duty of the State Superintendent to organize and establish, subject to the approval of the State Board of Education, a Department of Public Instruction which shall include divisions and departments as are necessary for supervision and administration of the public school system." [Article 3, G. S. 115C-21, paragraph (a) (1)]
- (d) Secondary - A single full-time officer shall be designated to direct vocational education for the secondary schools, which officer shall be titled Director of Vocational Education for the Department of Public Instruction. This officer shall be designated by the State Superintendent of Public Instruction, with the advice and consent of the State Board of Education.
- (e) Postsecondary - A single full-time officer shall be designated to direct vocational education for the community colleges, technical colleges, and technical institutes, which officer shall be titled Executive Vice President. This officer shall be designated by the State President of the Department of Community Colleges.
- (f) Designation of Full-Time Personnel to Eliminate Sex Bias - The State Board of Education and Community Colleges shall assign full time personnel to assist in fulfilling the purposes of the Act.

- (g) North Carolina General Statutes states in 115C-158

The division between secondary and postsecondary educational systems and institutions of federal funds for which the State Board of Vocational Education has responsibility shall, within discretionary limits established by law, require the concurrence of the State Board of Education and the State Board of Community Colleges on and after January 1, 1981. The portion of the approved State Plan for postsecondary vocational education required by G.S. 115C-154 shall be as approved by the State Board of Community Colleges.

- (h) The delegation of responsibilities by the State Board of Education to the State Board of Community Colleges is included in an agreement between the two Boards. (See Appendix, Exhibit 1.

### 3.02 PUBLIC HEARINGS

- (a) The State Board shall conduct at least two public hearings annually on vocational education where the public and interested organizations and groups will be invited to present their views and recommendations regarding the State plan.
- (b) A public notice of the date, time and location of the public hearings will be placed in the major daily newspapers and selected minority newspapers.
- (c) A notice of public hearings will be mailed to administrators of eligible recipients and to interested agencies, organizations and groups.
- (d) A summary of the comments made at the public hearings and the State Board's response appears in the appendix of the State Plan.

### 3.03 SERVICES AND ACTIVITIES FOR THE HANDICAPPED AND DISADVANTAGED

- (a) The State will allot 100% of the federal funds available for the handicapped and disadvantaged to eligible recipients, according to the provisions of Title II A, Sec. 203 of the Act.
- (b) Eligible recipients, receiving handicapped and disadvantaged funding, will be required to certify in their local applications that the requirements stated in Title II A, Sec. 204 and Title I B, Sec. 113(b)(1)(C) of the Act will be followed:

### 3.04 PLANNED PROGRAMS, SERVICES and ACTIVITIES:

#### (a) Target Groups and Proposed Programs, Services and Activities

In the Act, provisions are made to serve various groups with a variety of programs, services and activities. Sub paragraphs (1) and (2) list the groups to be served and the proposed programs, services and activities which may be provided, subject to the availability of funds.

- (1) The State Board shall use funds as set forth in the Act to provide services and activities for the following:
  - (A) Individuals with handicaps;
  - (B) Individuals who are academically or economically disadvantaged;
  - (C) Individuals with limited English proficiency;
  - (D) Adults in need of training and retraining;
  - (E) Single parents and homemakers;
  - (F) Individuals participating in programs designed to eliminate sex bias and stereotyping;
  - (G) Criminal offenders in correction institutions;
  - (H) Unemployed individuals;
  - (I) Dislocated workers;
  - (J) Workers 55 years of age and older;
  - (K) Employed individuals who require retraining or upgrading of their skills;
  - (L) Students in junior high school, senior high school, and post-secondary institutions;
  - (M) Individuals who have completed or left high school.
- (2) The State Board shall use funds as set forth in the Act to provide opportunities for the following program services and activities:
  - (A) the improvement and expansion of postsecondary and adult vocational education programs and related services for out-of-school youth and adults, which may include upgrading the skills of (i) employed workers, (ii) workers who are unemployed or threatened with unemployment as a result of technological change or industrial dislocation, (iii) workers with limited English proficiency, and (iv) displaced homemakers and single heads of households;
  - (B) programs relating to curriculum development in vocational education within the State, including the application of basic skills training;



- (3) The State Board may use funds as set forth in the Act to provide opportunities for the following program services and activities:
- (A) the improvement of vocational education programs within the State designed to improve the quality of vocational education including high-technology programs involving an industry-education partnership as described in part E of title III, apprenticeship training programs, and the provision of technical assistance;
  - (B) the expansion of vocational education activities necessary to meet student needs.
  - (C) the introduction of new vocational education programs particularly in economically depressed urban and rural areas;
  - (D) the creation or expansion of programs to train workers in skilled occupations needed to revitalize businesses and industries into the State or community;
  - (E) exemplary and innovative programs which stress new and emerging technologies and which are designed to strengthen vocational education services and activities;
  - (F) the improvement and expansion of career counseling and guidance authorized by part D of title III;
  - (G) the expansion and improvement of programs at area vocational education schools;
  - (H) the acquisition of equipment and the renovation of facilities necessary to improve or expand vocational education programs within the State;
  - (I) special courses and teaching strategies designed to teach the fundamental principles of mathematics and science through practical applications which are an integral part of the student's occupations program;
  - (J) the assignment of personnel to work with employers and eligible recipients in a region to coordinate efforts to ensure that vocational programs are responsive to the labor market and supportive of apprenticeship training programs;
  - (K) the activities of vocational student organizations carried out as an integral part of the secondary and postsecondary instruction program;
  - (L) prevocational programs;
  - (M) programs of modern industrial and agricultural arts;
  - (N) support for full-time personnel to carry out section III(b) which shall be paid for from administrative expenses of the State available under section 102(b);
  - (O) the provision of stipends, which shall not exceed reasonable amounts as prescribed by the Secretary by regulation, for students entering or already enrolled in vocational education programs who have acute economic needs which cannot be met under work-study programs;
  - (P) placement services for students who have successfully completed vocational education programs (including special services for the handicapped and cooperative efforts with rehabilitation programs);
  - (Q) day care services for children of students in secondary and postsecondary vocational education programs;
  - (R) the construction of area vocational education school facilities in areas having a demonstrated need for such facilities;
  - (S) the acquisition of high-technology equipment for vocational education programs;



- (T) the provision of vocational education through arrangements with private vocational education institutions, private post-secondary educational institutions, and employers whenever such private institutions or employers can make a significant contribution to attaining the objectives of the Act and can provide substantially equivalent preparation at a lesser cost, or can provide equipment or services not available in public institutions;
- (U) the acquisition and operation of communications and telecommunications equipment for vocational education programs; and
- (V) the improvement or expansion of any other vocational education activities authorized under part A, of title II.

(b) From the portion of the allotment to the State under Section 101 available for Part B of Title II from amounts appropriated pursuant to section 3(a) for each fiscal year, the State shall use grants for the provision of in-service and preservice training designed to increase the competence of vocational education teachers, counselors, and administrators, including special emphasis on the integration of handicapped and disadvantaged students in regular courses of vocational education.

(c) Employment and Enrollment Projections

The purpose of vocational education is to provide high quality education and training experiences to meet the needs of the nation's existing and future work force for marketable skills and to improve productivity and promote economic growth. Employability skills are acquired through vocational education programs within the public secondary and postsecondary schools in addition to private sources of training.

The level of employment, the average annual job needs and the projected enrollment in vocational education programs is reflected in Table 1.

(d) Needs of Individuals

A variety of programs, services and activities are needed to assist those individuals enrolled in vocational education to become productive citizens. The identification of these individuals by category and needs are reflected in Table 2.

(e) Quality of Vocational Education

Assessing the quality of vocational education is a continuous process in which student and employer follow up, program review standards and program evaluation data is used. The quality of programs has been enhanced through research, curriculum development, development of competency-based programs, staff development, program articulation between secondary education and postsecondary institutions, the development of new programs, the termination of programs no longer needed, and the purchase of equipment as funds are available.

(f) Capacity to Provide Vocational Education

An assessment of the capacity to provide vocational education indicates there are additional needs in facilities, equipment, curriculum revision/improvement, teachers, staff development and program evaluation.

(g) Activities and Benefits for Funding

The activities and benefits reflect the services and activities which the State proposes to implement for the improvement, expansion and maintenance of programs based on funding and adherence to the Act.

See Table 3

(h) Vocational Education Support Programs by Community-Based Organizations

Subject to appropriations, the State Board may use funds allocated under Title III, Part A to implement vocational education support programs by community-based organizations.

- (1) Each community-based organization which desires to receive assistance under this part shall prepare jointly with the appropriate eligible recipient and submit an application for approval to the State board at such time, in such manner, and containing or accompanied by such information as the State Board may require. Each such application shall-
  - (A) contain an agreement between the community-based organization and the eligible recipients in the area to be served, which includes the designation of fiscal agents established for the program;
  - (B) provide a description of the uses for which assistance is sought pursuant to section 302(b) together with evaluation criteria to be applied to the program;
  - (C) provide assurances that the community-based organization will give special consideration to the needs of severely economically and educationally disadvantaged youth ages sixteen through twenty-one, inclusive;
  - (D) provide assurances that business concerns will be involved, as appropriate, in services and activities for which assistance is sought;

- (E) describe the collaborative efforts with the eligible recipients and the manner in which the services and activities for which assistance is sought will serve to enhance the enrollment of severely economically and educationally disadvantaged youth into the vocational education programs; and
  - (F) provide assurances that the programs conducted by the community-based organization will conform to the applicable standards of performance and measures of effectiveness required of vocational education programs in the State.
- (2) For any State approved application the State shall provide financial assistance from the portion of the allotment under section 101 available for Title III, Part A to state approved joint programs of eligible recipients and community-based organizations within the State to conduct special vocational education services and activities in accordance with the State plan for-
- (A) outreach programs to facilitate the entrance of youth into a program of transitional services and subsequent entrance into vocational education, employment or other education and training;
  - (B) transitional services such as attitudinal and motivational prevocational training programs;
  - (C) prevocational education preparation and basic skills development conducted in cooperation with business concerns;
  - (D) special prevocational preparations programs targeted to inner-city youth, non-English speaking youth, Appalachian youth, and the youth of other urban and rural areas having a high density of poverty who need special prevocational education programs;
  - (E) career intern programs;
  - (F) assessment of students needs in relation to vocational education and jobs; and
  - (G) guidance and counseling to assist students with occupational choices and with the selection of a vocational education program.

(i) Consumer and Homemaking Education

Subject to appropriations, the State Board will use funds allocated under Title III, Part B for all approved applications to conduct consumer and homemaker education programs.

- (1) The program may include;
  - (A) instructional programs, services, and activities that prepare youth and adults for the occupation of homemaking, and
  - (B) Instruction in the areas of;
    - (i) food and nutrition
    - (ii) consumer education
    - (iii) family living and parenthood education
    - (iv) child development and guidance
    - (v) housing
    - (vi) home management (including resource management)
    - (vii) clothing and textiles
- (2) The State shall use funds allocated under Title III, Part B for all approved applications to:
  - (A) conduct programs in economically depressed areas;
  - (B) encourage participation of traditionally underserved populations;
  - (C) encourage the elimination of sex bias and sex stereotyping;
  - (D) maintain, expand, and update programs with an emphasis on those which specifically address needs described under clauses (1), (2), and (3); and/or
  - (E) address priorities and emerging concerns at the local, State, and national levels.
- (3) The State may use funds allocated under Title III, Part B for all approved applications to provide program development and improvement of instruction and curricula relating to:
  - (A) managing individual and family resources;
  - (B) making consumer choices;
  - (C) managing home and work responsibilities;
  - (D) improving responses to individual and family crises;
  - (E) Strengthening parenting skills;
  - (F) assisting aged and handicapped individuals;
  - (G) improving nutrition;
  - (H) conserving limited resources;
  - (I) understanding the impact of new technology on life and work;
  - (J) applying consumer and homemaker education skills to jobs and careers, and
  - (K) other needs as determined by the State;



- (4) The State may use funds allocated under Title III, Part B to support services and activities designed to ensure the quality and effectiveness of programs, including
- (A) innovative and exemplary projects,
  - (B) community outreach to underserved populations,
  - (C) application of academic skills (such as reading, writing, mathematics, and science) through consumer and homemaker education programs,
  - (D) curriculum development,
  - (E) research,
  - (F) program evaluation,
  - (G) development of instructional materials,
  - (H) teacher education,
  - (I) upgrading of equipment,
  - (J) teacher supervision,
  - (K) State administration and leadership, including activities of the student organization.
- (5) Section 312 (c) requires that  
Not less than one-third of the Federal funds made available to the State under Section 312, Title III, Part B shall be expended in economically depressed areas or areas with high rates of unemployment for programs designed to assist consumers and to help improve home environments and the quality of family life.
- (6) Section 313 (a) requires that  
The State Boards ensure that the experience and information gained through carrying out programs assisted under Part B, Title III will be shared with administrators for the purpose of program planning. Funds available under Part B, Title III shall be used to assist in providing State leadership qualified by experience and preparation in home economics education.
- (7) Section 313 (b) requires that  
The State shall use not more than 6 percent of the funds available under Part B, Title III to carry out leadership activities under section 313 of the Act.



(j) Adult Training, Retraining, and Employment Development

Subject to appropriations, the State Board will use funds allocated under Title III, Part C to provide services and activities for adult training, retraining, and employment development.

(1) The State shall provide financial assistance from the portion of the allotment under Section 101 available for Title III, Part C, in accordance with the State Plan for-

- (A) vocational education programs, services, activities, and employment development authorized by Title II which are designed to meet the needs of-
  - "(i) individuals who have graduated from or left high school and who need additional vocational education for entry into the labor force;
  - "(ii) unemployed individuals who require training to obtain employment or increase their employability;
  - "(iii) employed individuals who require retraining to retain their jobs, or who need training to upgrade their skills to qualify for higher paid or more dependable employment;
  - "(iv) displaced homemakers and single heads of households who are entering or reentering the labor force;
  - "(v) employers who require assistance in training individuals for new employment opportunities or in retraining employees in new skills required by changes in technology, products, or processes; and
  - "(vi) workers fifty-five and older;
- (B) short-term programs of retraining designed to upgrade or update skills in accordance with changed work requirements;
- (C) education and training programs designed cooperatively with employers;
- (D) building more effective linkages between' vocational education programs and private sector employers (through a variety of programs including programs where secondary school students are employed on a part-time basis as registered apprentices with transition to full-time apprenticeships upon graduation), and between eligible recipients of assistance under this Act and economic development agencies and other public and private agencies providing job training and employment services, in order to more effectively reach out to and serve individuals described in subparagraph (A);
- (E) cooperative education programs with public and private sector employers and economic development agencies, including seminars in institutional or worksite settings, designed to improve management and increase productivity;
- (F) entrepreneurship training programs which assist individuals in the establishment, management, and operation of small business enterprises;
- (G) recruitment, job search assistance, counseling, remedial services, and information and outreach programs designed to encourage and assist males and females to take advantage of vocational education programs and services, with particular attention to reaching women, older workers, individuals with limited English proficiency, the handicapped, and the disadvantaged;

- (H) curriculum development, acquisition of instructional equipment and materials, personnel training, pilot projects, and related and additional services and activities required to effectively carry out the purposes of this part;
  - (I) the costs of serving adults in other vocational education programs, including paying the costs of instruction or the costs of keeping school facilities open longer; and
  - (J) related instruction for apprentices in apprenticeship training programs.
- (2) The State Board assures the Secretary that programs;
- (A) are designed with the active participation of the State Council established pursuant to Section 112;
  - (B) make maximum effective use of existing institutions are planned to avoid duplication of programs or institutional capabilities, and to the fullest extent practicable are designed to strengthen institutional capacity to meet the education and training needs addressed by this part;
  - (C) involve close cooperation with and participation by public and private sector employers and public and private agencies working with problems of employment and training and economic development; and
  - (D) where appropriate, involve coordination with programs under the Rehabilitation Act of 1973 and the Education of the Handicapped Act.
- (3) The Board will implement methods and procedures for coordinating vocational education programs, services, and activities funded under Part C of of Title III to provide programs of assistance for dislocated workers funded under title III of the Job Training Partnership Act.
- (4) The State Board shall consult with the State Job Training Coordinating Council (established under section 122 of the Job Training Partnership Act) in order that programs assisted under Part C of Title III may be taken into account by such council in formulating recommendations to the Governor for the Governor's coordination and special services plan required by Section 121 of the Job Training Partnership Act.
- (5) The State Board shall adopt such procedures as it considers necessary to encourage coordination between eligible recipients receiving funds under this part and the appropriate administrative entity established under the Job Training Partnership Act in the conduct of their respective programs, in order to achieve the most effective use of all Federal funds through programs that complement and supplement each other, and, to the extent feasible, provide an ongoing and integrated program of training and services for workers in need of such assistance.



(k) Comprehensive Career Guidance and Counseling

Subject to appropriations, the State Board may use funds allotted under Section 101 for Part D of Title III to conduct career guidance and counseling programs in accordance with State plans (and amendments thereto), for programs (organized and administered by certified counselors) designed to improve, expand, and extend career guidance and counseling programs to meet the career development, vocational education, and employment needs of vocational education students and potential student. Such programs shall be designed to assist individuals-

- (1) to acquire self-assessment, career planning, career decision making, and employability skills;
- (2) to make the transition from education and training to work;
- (3) to maintain marketability of current job skills in established occupations;
- (4) to develop new skills to move away from declining occupational fields and enter new and emerging fields in high-technology areas and fields experiencing skill shortages;
- (5) to develop midcareer job search skills and to clarify career goals; and
- (6) to obtain and use information on financial assistance for postsecondary and vocational education, and job training.
  - (b) Programs of career guidance and counseling under Part D of Title III shall encourage the elimination of sex, age, handicapping condition, and race bias and stereotyping, provide for community outreach, enlist the collaboration of the family, the community business, industry; and labor and be accessible to all segments of the population, including women, minorities, the handicapped, and the economically disadvantaged. The programs authorized by Part D of Title III shall consist of-
    - (1) instructional activities and other services at all educational levels to help students with the skills described in clauses (1) through (6) of subsection (a); and
    - (2) services and activities designed to ensure the quality and effectiveness of career guidance and counseling programs and projects assisted under Part D, Title III, such as counselor education (including education of counselors working with individuals with limited English proficiency), training of support personnel, curriculum development, research and demonstration projects, experimental programs, instructional materials development, equipment acquisition, State and local leadership and supervision; and

(3) projects which provide opportunities for counselors to obtain firsthand experience in business and industry, and projects which provide opportunities to acquaint students with business, industry, the labor market, and training opportunities (including secondary educational programs that have at least one characteristic of an apprenticeship occupation as recognized by the Department of Labor of the State Apprenticeship Agency in accordance with the Act of August 16, 1937, known as the National Apprenticeship Act, in concert with local business, industry, labor, and other appropriate apprenticeship training entities, designed to prepare participants for an apprenticeship occupation or provide information concerning apprenticeship occupations and their prerequisites).

(c) The State Board shall expend not less than 20 percent available under Part D, Title III for programs designed to eliminate sex, age, and race bias and stereotyping under subsection (b) and for activities to ensure that programs under Part D, Title III, are accessible to all segments of the population, including women, the disadvantaged, the handicapped, individuals with limited English proficiency, and minorities.

(d) The State Board shall ensure that the experience and information gained through programs assisted under Part D, Title III is shared with administrators for the purpose of program planning. Funds available under this part shall be used to assist in providing State leadership qualified by experience and knowledge in guidance and counseling.

(e) Not more than 6 percent of the funds available under Part D, Title III may be used to carry out leadership activities under Section 333(b) of the Act.

(1) Industry-Education Partnership for Training In High-Technology Occupations

Subject to appropriations, the State Board shall use funds allotted under Section 101 for Part E, Title III to carry out industry-education partnership training programs in high-technology occupations.

Title III, Part E, Sec. 342(b) stipulates

- (1) funds received under Part E, Title III will be used solely for vocational education programs designed to train skilled workers and technicians in high-technology occupations (including programs providing related instruction to apprentices) and projects to train skilled workers needed to produce, install, operate, and maintain high technology equipment, systems, and processes;
- (2) to the maximum extent practicable, funds received under Part E, Title III, will be utilized in coordination with the Job Training Partnership Act to avoid duplication of effort and to ensure maximum effective utilization of funds under this Act and the Job Training Partnership Act;
- (3) except as provided in subsection (c), not less than 50 per centum of the aggregate costs of programs and projects assisted under this part will be provided from non-Federal sources, and not less than 50 per centum of such non-Federal share of aggregate costs in the State will be provided by participating business and industrial firms;
- (4) programs and projects assisted under Part E, Title III will be coordinated with those assisted under title II, and to the maximum extent practicable (consistent with the purposes of programs assisted under title II), supportive services will be so organized as to serve programs under both titles; and
- (5) programs and projects assisted under Part E, Title III will be developed with the active participation of the State Council established pursuant to Section 112.
  - (c) "(1) The business and industrial share of the costs required by Section 342(b)(2) of the Act may be in the form of cash or in-kind contributions (such as facilities, overhead, personnel, and equipment) fairly valued.
  - "(2) The Federal share of such cost shall be available equally from funds available to the States under Part E, Title III, and from funds allotted to the States under Title II.
  - "(3) If an eligible recipient demonstrates to the satisfaction of the State that it is incapable of providing all or part of the non-Federal portion of such costs as required by Section 342(b)(2) of the Act, the State may designate funds available under part B of Title II or funds available from State sources in lieu of such non-federal portion.



The State Board shall use funds available under Part E, Title III of the Act solely for the establishment and operation of programs and projects described by Section 342(b) of the the Act and for-

- (1) necessary administrative costs of the State Board and of eligible recipients associated with the establishment and operation of programs authorized by Part E, Title III of the Act;
- (2) training and retraining of instructional and guidance personnel;
- (3) curriculum development and the development or acquisition of instructional and guidance equipment and materials;
- (4) acquisition and operation of communications and telecommunications equipment and other high-technology equipment for programs authorized by Part E, Title III, and
- (5) such other activities authorized by Title III as may be essential to the successful establishment and operation of programs and projects authorized by Part III, including activities and related services to ensure access of women, minorities, the handicapped, and the economically disadvantaged.
  - (b) In approving programs and projects assisted under Part III, the State board shall give special consideration to-
    - (1) the level and degree of business and industry participation in the development and operation of the program;
    - (2) the current and projected demand within the State or relevant labor market area for workers with the level and type of skills the program is designed to produce;
    - (3) the overall quality of the proposal, with particular emphasis on the probability of successful completion of the program by prospective trainees and the capability of the eligible recipient (with assistance from participating business or industry) to provide high quality training for skilled workers and technicians in high technology; and
    - (4) the commitment to serve all segments of the population, including women, minorities, the handicapped, and the economically disadvantaged (as demonstrated by special efforts to provide outreach, information, and counseling, and by the provision of remedial instruction and other assistance).
  - (c) Expenditures for administrative costs pursuant to Section 343 (a)(1) of the Act may not exceed 10 per centum of the State's allotment for Part E, Title III in the first year and 5 per centum of such allotment in each subsequent year.

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Program Area	CIP Number & Instructional Program	Employment		Annual Average Job Needs 1981-1990	Level*	Projected Enrollment			Projected Completers		
		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
	01.0101 Agricultural Business	See 01.0301			Sec. P-Sec. L-Adult S-Adult	160	150	140	25	25	20
	01.0104 Farm and Ranch Management	See 01.0301			Sec. P-Sec. L-Adult S-Adult	8	8	8	5	5	5
	01.0201 Agricultural Mechanics, General	180	200	7	Sec. P-Sec. L-Adult S-Adult	1,980 10 130	1,960 10 130	1,900 10 130	440 5	420 5	380 5
	01.0206 Soil & Water Mechanical Practices	See 01.0301			Sec. P-Sec. L-Adult S-Adult	10	12	15	5	5	5
	01.0301 Agricultural Production, General	166,000	154,000		Sec. P-Sec. L-Adult S-Adult	4,420 90 375	4,160 70 375	3,800 50 375	1,020 40	950 30	870 20
A G R I C U L T U R A L	01.0302 Animal Production	See 01.0301			Sec. P-Sec. L-Adult S-Adult	40 750	40 750	40 750	10	10	10
	01.0304 Crop Production	See 01.0301			Sec. P-Sec. L-Adult S-Adult	25	25	25	10	10	10
	01.0503 Agricultural Supplies & Marketing	See 08.0705			Sec. P-Sec. L-Adult S-Adult	3	3	3	2	2	2
	01.0599 Agricultural Services & Marketing	See 08.0705			Sec. P-Sec. L-Adult S-Adult	55	55	55			
	01.0601 Horticulture, General	See 01.0301			Sec. P-Sec. L-Adult S-Adult	2,300 550 350 750	2,080 550 350 750	1,830 550 350 750	340 40 15	310 40 15	300 40 15
	01.0604 Greenhouse Operation and Management	See 01.0301			Sec. P-Sec. L-Adult S-Adult	50	50	50	20	20	20
	01.0607 Turf Management	6,530	8,280	625	Sec. P-Sec. L-Adult S-Adult	65	65	65	25	25	25
	01.0699 Homestead & Gardening				Sec. P-Sec. L-Adult S-Adult	480	460	420	180	160	120

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						1986	1987	1988	1986	1987	1988
A G R I C U L T U R A L	01.9999 Agribusiness & Agricultural Products, Other		Introduction		Sec. P-Sec. L-Adult S-Adult	8,020	7,660	7,300			
	03.0101 Renewal Natural Resources, General				Sec. P-Sec. L-Adult S-Adult	520	490	460	90	80	75
	03.0401 Forest Prod- uction & Processing, General				Sec. P-Sec. L-Adult S-Adult	380 140	360 120	340 120	60 40	55 30	50 30
	03.0403 Forest Products Utilization				Sec. P-Sec. L-Adult S-Adult	20	20	20	10	10	10
	03.0601 Wildlife Management				Sec. P-Sec. L-Adult S-Adult	75	70	70	30	30	30
	31.0201 Outdoor Recreation	3,000	3,620	164	Sec. P-Sec. L-Adult S-Adult	15	15	15	5	5	5
	31.0301 Parks and Recreation Management	See 31.0201			Sec. P-Sec. L-Adult S-Adult	165	160	160	15	15	15
	SUBTOTAL AGRICULTURAL	175,710	166,100	736	Sec. P-Sec. L-Adult S-Adult	18,100 1,481 350 2,005	17,170 1,423 350 2,005	16,050 1,396 350 2,005	2,130 282 20	1,975 262 20	1,795 247 20
	06.0401 Business Adm. & Management	127,060	154,220	8,292	Sec. P-Sec. L-Adult S-Adult	16,000	16,000	16,000	1,200	1,200	1,200
	06.0701 Hotel/Motel Management	See 06.0401			Sec. P-Sec. L-Adult S-Adult	380	380	380	30	30	30
B U S I N E S S & O F F I C E	06.0705 Transportation Management	See 06.0401			Sec. P-Sec. L-Adult S-Adult	215	215	215	20	20	20
	06.1701 Real Estate, General	3,070	3,540	245	Sec. P-Sec. L-Adult S-Adult	260	260	260	30	30	30
	07.0102 Accounting & Computing	16,250	23,140	1,315	Sec. P-Sec. L-Adult S-Adult	2,320 4,725 2,100	2,787 4,725 2,100	2,617 4,725 2,100	2,100 350	2,520 350	2,360 350

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		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
BUSINESS & OFFICE	07.0103 Bookkeeping	41,590	48,780	2,179	Sec. P-Sec. L-Adult S-Adult	45	45	45	5	5	5
	07.0201 Banking & Related	11,120	13,310	579	Sec. P-Sec. L-Adult S-Adult	500 2,400	500 2,400	500 2,400	90	90	90
	07.0301 Business Data Processing & Rel. Programs, General	12,230	16,330	758	Sec. P-Sec. L-Adult S-Adult	115 18,500	150 18,500	175 18,500			
	07.0302 Business Computer & Console Operator	See 07.0301			Sec. P-Sec. L-Adult S-Adult	3,130 1,250	3,320 1,400	3,520 1,600	1,400 50	1,490 55	1,590 60
	07.0305 Business Data Programming	9,490	15,250	762	Sec. P-Sec. L-Adult S-Adult	15,000	15,000	15,000	650	650	650
	07.0401 Office Super- vision & Management	12,030	14,270	591	Sec. P-Sec. L-Adult S-Adult	280	250	210	200	175	145
	07.0602 Court Reporting	See 07.0603			Sec. P-Sec. L-Adult S-Adult	30	30	30	5	5	5
	07.0603 Executive Secretarial	70,520	91,745	5,275	Sec. P-Sec. L-Adult S-Adult	4,200	4,200	4,200	350	350	350
	07.0604 Legal Secretarial	See 07.0603			Sec. P-Sec. L-Adult S-Adult	330 1,850	320 1,850	320 1,850	320	30	30
	07.0605 Medical Secretarial	See 07.0603			Sec. P-Sec. L-Adult S-Adult	900 30	900 30	900 30	115 5	115 5	115 5
	07.0607 Stenographic	5,520	5,160	189	Sec. P-Sec. L-Adult S-Adult	100	80	60	20	10	5
	07.0699 Secretarial & Related Programs, Other	See 07.0603			Sec. P-Sec. L-Adult S-Adult	260	250	230	140	130	110
	07.0701 Typing, Gen. Off. & Related Programs, Gen.	161,390	191,170	8,357	Sec. P-Sec. L-Adult S-Adult	7,860 40	7,740 40	7,350 40	4,620	4,540	4,310

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						1986	1987	1988	1986	1987	1988
B U S I N E S S & O F F I C E	07.0705 General Office Clerk	See 07.0701			Sec. P-Sec. L-Adult S-Adult	3,100 575	3,100 575	3,100 575	260 260	260 260	260 260
	07.0706 Mail & Order Clerk	9,690	11,350	417	Sec. P-Sec. L-Adult S-Adult	220	220	220	10	10	10
	07.0710 Typing	See 07.0603			Sec. P-Sec. L-Adult S-Adult	3,500	3,500	3,500			
	22.0103 Legal Assisting	620	1,710	179	Sec. P-Sec. L-Adult S-Adult	915	915	915	70	70	70
	25.0301 Library Assisting	2,590	2,940	109	Sec. P-Sec. L-Adult S-Adult	60	60	60	15	15	15
	25.0501 Museology	110	140	9	Sec. P-Sec. L-Adult S-Adult	10	10	10	5	5	5
	SUBTOTAL B & O EDUCATION	483,280	593,055	29,256	Sec. P-Sec. L-Adult S-Adult	13,950 46,890 1,395 28,965	14,427 46,880 1,580 28,965	13,987 46,880 1,805 28,965	8,480 3,255 55	8,865 3,255 60	8,520 3,255 65
	08.0101 Apparel & Accessories	See 08.0705			Sec. P-Sec. L-Adult S-Adult	2,180	2,080	1,970	1,110	1,020	820
	08.0102 Fashion Merchandising	See 08.0705			Sec. P-Sec. L-Adult S-Adult	180	180	180	25	25	25
	08.0201 Business & Personal Serv. Marketing, Gen.	See 08.0705			Sec. P-Sec. L-Adult S-Adult	2,000	1,860	1,830	790	730	730
D I S T R I B U T I V E	08.0301 Entrepreneurship	See 08.0705			Sec. P-Sec. L-Adult S-Adult	100	90	70	70	60	40
	08.0401 Financial Services Marketing, Gen.	1,250	1,730	108	Sec. P-Sec. L-Adult S-Adult	70	60	50	50	40	30
	08.0503 Floristry	See 08.0705			Sec. P-Sec. L-Adult S-Adult	70 65 10	60 65 10	50 65 10	40 25 5	30 25 5	20 25 5

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Program Area	CIP Number & Instructional Program	Employment		Annual Average Job Needs 1981-1990	Level*	Projected Enrollment			Projected Completers		
		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
	08.0601 Food Marketing, General	See 08.0705			Sec. P-Sec. L-Adult S-Adult	1,580	1,520	1,400	990	950	870
	08.0702 Industrial Sales	See 08.0705			Sec. P-Sec. L-Adult S-Adult	40	30	20	25	20	15
	08.0705 Retailing	154,070	181,700	9,213	Sec. P-Sec. L-Adult S-Adult	690	690	690	75	75	75
	08.0706 Sales	See 08.0705			Sec. P-Sec. L-Adult S-Adult	1,250	1,100	850	620	540	420
M A R K E T I N G & D I S T R I B U T I V E	08.0707 Wholesaling	3,810	4,540	238	Sec. P-Sec. L-Adult S-Adult						
	08.0803 Building Materials Marketing	See 08.0705			Sec. P-Sec. L-Adult S-Adult	40	40	40	25	25	25
	08.0806 Hardware Marketing	See 08.0705			Sec. P-Sec. L-Adult S-Adult	45	40	35	30	25	20
	08.0901 Hospitality & Recreation Marketing, Gen.	See 08.0705			Sec. P-Sec. L-Adult S-Adult	200	280	280	110	150	150
	08.0902 Marketing of Hotel/Motel Services	See 08.0705			Sec. P-Sec. L-Adult S-Adult	30	30	30	15	15	15
	08.0905 Waiter/Waitress & Related Services	31,370	39,130	1,923	Sec. P-Sec. L-Adult S-Adult	800	680	550	500	420	340
	08.1001 Insurance Marketing, Gen.	6,640	7,710	314	Sec. P-Sec. L-Adult S-Adult	15 600	15 600	15 600	10 25	10 25	10 25
	08.1101 Transportation & Travel Market				Sec. P-Sec. L-Adult S-Adult	1,850 160	1,850 200	1,850 220			
	08.1203 Auto Vehicles & Accessories Marketing	See 08.0705			Sec. P-Sec. L-Adult S-Adult	150	140	120	100	90	80
	08.1204 Petroleum Wholesaling	See 08.0707			Sec. P-Sec. Adult S-Adult	60	50	40	40	30	20

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						1986	1987	1988	1986	1987	1988
M K T  &  D I S T	08.9999 Marketing & Distribution, Other	See 08.0705			Sec. P-Sec. L-Adult S-Adult	2,190	2,260	2,330	1,020	1,040	1,080
	09.0201 Advertising				Sec. P-Sec. L-Adult S-Adult	240	220	180	100	80	65
	SUBTOTAL MARKETING & DISTRIBUTION	197,140	234,810	11,796	Sec. P-Sec. L-Adult S-Adult	11,220 1,535 10 3,350	10,755 1,535 10 3,350	10,080 1,535 10 3,350	5,720 150 5	5,360 150 5	4,845 150 5
E N G I N E R I N G  &  E N G	15.0101 Architectural Design & Const. Tech.	See 48.0101			Sec. P-Sec. L-Adult S-Adult	750	750	750	60	60	60
	15.0201 Civil Tech.	1,560	1,940	72	Sec. P-Sec. L-Adult S-Adult	500 1,000	500 1,000	500 1,000	70	70	70
	15.0203 Surveying & Mapping Tech.	780	920	33	Sec. P-Sec. L-Adult S-Adult	60	60	60	10	10	10
	15.0299 Civil Tech., Other	See 15.0201			Sec. P-Sec. L-Adult S-Adult	25	25	25	10	10	10
E R I N G  R E L A T E D	15.0302 Electrical Tech.	6,830	8,920	307	Sec. P-Sec. L-Adult S-Adult	310 1,775	310 1,775	310 1,775	55	55	55
	15.0303 Electronic Tech.	See 15.0302			Sec. P-Sec. L-Adult S-Adult	5,000	5,050	5,100	500	500	500
	15.0401 Biomedical Equipment Tech.				Sec. P-Sec. L-Adult S-Adult	110	110	110	25	25	25
	15.0402 Computer Servicing Tech.	See 15.0302			Sec. P-Sec. L-Adult S-Adult	400	450	500	50	50	50
	15.0403 Electromechanical Tech.	See 15.9999			Sec. P-Sec. L-Adult S-Adult	450	450	450	65	65	65
	15.0404 Instrumentation Tech.	See 15.9999			Sec. P-Sec. L-Adult S-Adult	230	230	230	50	50	50

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		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
E N G I N E E R I N G & E N G I N E E R I N G R E L A T E D	15.0501 Airconditioning, Heating & Refrig. Tech.	See 15.9999			Sec. P-Sec. L-Adult S-Adult	250	250	250	15	15	15
	15.0504 Sanitation Tech.				Sec. P-Sec. L-Adult S-Adult	25	25	25	10	10	10
	15.0505 Solar Heating & Cooling Tech.	See 15.9999			Sec. P-Sec. L-Adult S-Adult	15 20	15 20	15 20	5 10	5 10	5 10
	15.0506 Water & Wastewater Tech.	1,730	1,970	77	Sec. P-Sec. L-Adult S-Adult	80	80	80	10	10	10
	15.0601 Chemical Manufacturing Tech.	See 15.9999			Sec. P-Sec. L-Adult S-Adult	160 30 45	160 30 45	160 30 45	25 10	25 10	25 10
	15.0602 Food Processing Tech.				Sec. P-Sec. L-Adult S-Adult	10 125	10 125	10 125	5	5	5
	15.0603 Industrial Tech.	380	510	20	Sec. P-Sec. L-Adult S-Adult	500 1,200	500 1,200	500 1,200	25	25	25
	15.0604 Manufacturing Tech.	580	740	23	Sec. P-Sec. L-Adult S-Adult	800 150	800 150	800 150	90	90	90
	15.0606 Optical Technology	See 17.0701			Sec. P-Sec. L-Adult S-Adult	15	15	15	5	5	5
	15.0608 Safety Tech.				Sec. P-Sec. L-Adult S-Adult	29,000	29,000	29,000			
	15.0609 Textile Tech.				Sec. P-Sec. L-Adult S-Adult	10 10	10 10	10 10	5 5	5 5	5 5
	15.0610 Welding Tech.	See 15.9999			Sec. P-Sec. L-Adult S-Adult	30	30	30	5	5	5
	15.0701 Occupational Safety & Health Tech.	See 15.9999			Sec. P-Sec. L-Adult S-Adult	140	140	140	10	10	10

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		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
E N G I N E E R I N G & E N G I N E E R I N G R E L A T E D	15.0805 Mechanical Design Tech.	See 15.9999			Sec. P-Sec. L-Adult S-Adult	1,175	1,175	1,175	100	100	100
	15.9999 Eng. & Engineering Related Tech., Other	9,160	10,620	329	Sec. P-Sec. L-Adult S-Adult	425	425	425	20	20	20
	41.0202 Nuclear Power Plant Operation Tech.				Sec. P-Sec. L-Adult S-Adult						
	41.0203 Nuclear Power Plant Radiation Control Tech.				Sec. P-Sec. L-Adult S-Adult						
	41.0305 Oceanographic Tech. (Physical)				Sec. P-Sec. L-Adult S-Adult	110	110	110	20	20	20
	43.0105 Criminal Justice Tech.	32,270	42,830	3,402	Sec. P-Sec. L-Adult S-Adult	4,850 15,000	4,900 15,000	4,900 15,000	450	450	450
	43.0201 Fire Control & Safety Tech.	See 43.0203			Sec. P-Sec. L-Adult S-Adult	5	5	5	2	2	2
	43.0203 Firefighting	4,970	5,970	176	Sec. P-Sec. L-Adult S-Adult	435 24,500	435 24,500	435 24,500	20	20	20
	SUBTOTAL ENGINEERING & ENGINEERING RELATED TECH.	58,260	74,420	4,439	Sec. P-Sec. L-Adult S-Adult	16,775 135 72,645	16,925 135 72,645	17,025 135 72,645	1,702 40	1,702 40	1,702 40
	12.0301 Funeral Service	330	360	9	Sec. P-Sec. L-Adult S-Adult	80	80	80	5	5	5
H E A L T H	17.0101 Dental Assisting	2,940	3,810	214	Sec. P-Sec. L-Adult S-Adult	30 390	20 390	20 390	20 100	15 100	15 100
	17.0102 Dental Hygiene	1,360	1,760	122	Sec. P-Sec. L-Adult S-Adult	325	325	325	80	80	80
	17.0103 Dental Laboratory Tech.	800	1,310	80	Sec. P-Sec. L-Adult S-Adult	65	65	65	15	15	15

\* Level: Sec. - Secondary, P-Sec. - Post Secondary, L-Adult - Long Term Adult (Vocational), S-Adult - Short Term Adult (Extension).



TABLE 1

VOCATIONAL EDUCATION PLAN FOR MEETING JOB SKILL TRAINING NEEDS  
PROJECTIONS FOR JOB OPENINGS, ENROLLMENTS AND COMPLETERS  
FY 1986 - 1987 - 1988

Program Area	CIP Number & Instructional Program	Employment		Annual Average Job Needs 1981-1990	Level*	Projected Enrollment			Projected Completers		
		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
	17.0205 Emergency Medical Tech. - Ambulance	270	350	25	Sec. P-Sec. L-Adult S-Adult	18,000	18,000	18,000			
	17.0206 Emergency Medical Tech. Paramedic	960	1,000	29	Sec. P-Sec. L-Adult S-Adult	275	275	275	25	25	25
	17.0208 Nuclear Medical Tech.	920	1,310	80	Sec. P-Sec. L-Adult S-Adult	35	35	35	5	5	5
	17.0209 Radiograph Medical Tech.	1,390	2,050	129	Sec. P-Sec. L-Adult S-Adult	515	515	515	125	125	125
A L L I E D	17.0210 Respiratory Therapy Tech.				Sec. P-Sec. L-Adult S-Adult	390	390	390	115	115	115
H E A L T H	17.0211 Surgical Tech.	790	1,150	64	Sec. P-Sec. L-Adult S-Adult	125	125	125	40	40	40
	17.0305 Clinical Laboratory	See 17.0309			Sec. P-Sec. L-Adult S-Adult	30	20	20	25	17	17
	17.0309 Medical Laboratory Tech.	1,320	1,950	115	Sec. P-Sec. L-Adult S-Adult	290 30	290 30	290 30	85 10	85 10	85 10
	17.0401 Alcohol/Drug Abuse Speciality	See 17.0406			Sec. P-Sec. L-Adult S-Adult	55	55	55	5	5	5
	17.0404 Home Health Aide	See 17.0406			Sec. P-Sec. L-Adult S-Adult	30	20	20	25	17	17
	17.0406 Mental Health/ Human Services Tech.	2,810	4,080	269	Sec. P-Sec. L-Adult S-Adult	940	940	940	80	80	80
	17.0503 Medical Assisting	1,380	2,010	133	Sec. P-Sec. L-Adult S-Adult	5,860 360 550	5,880 360 550	5,800 360 550	1,700 50 60	1,705 50 60	1,680 50 60
	17.0506 Medical Records Tech.	430	630	42	Sec. P-Sec. L-Adult S-Adult	95	95	95	10	10	10

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FY 1986 - 1987 - 1988

Program Area	CIP Number & Instructional Program	Employment		Annual Average Job Needs 1981-1990	Level*	Projected Enrollment			Projected Completers		
		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
	17.0507 Pharmacy Assisting	830	1,170	74	Sec. P-Sec. L-Adult S-Adult	80	80	80	20	20	20
	17.0512 Veterinarian Assisting				Sec. P-Sec. L-Adult S-Adult	120	120	120	25	25	25
	17.0513 Ward Clerk	See 17.0602			Sec. P-Sec. L-Adult S-Adult	110	110	110	40	40	40
	17.0601 Geriatric Aide	See 17.0602			Sec. P-Sec. L-Adult S-Adult	25 15	25 15	25 15	5 10	5 10	5 10
A L L I E D  H E A L T H	17.0602 Nursing Assisting	23,180	36,720	2,618	Sec. P-Sec. L-Adult S-Adult	80 620	100 620	100 620	60 300	80 300	80 300
	17.0605 Practical Nursing	11,390	16,430	1,179	Sec. P-Sec. L-Adult S-Adult	2,750	2,750	2,750	600	600	600
	17.0701 Ophthalmic Dispensing	980	1,250	55	Sec. P-Sec. L-Adult S-Adult	35	35	35	15	15	15
	17.0808 Occup. Therapy Assisting				Sec. P-Sec. L-Adult S-Adult	55	55	55	5	5	5
	17.0815 Physical Therapy Assisting	780	1,130	70	Sec. P-Sec. L-Adult S-Adult	190	190	190	25	25	25
	17.0817 Recreational Therapy Tech.				Sec. P-Sec. L-Adult S-Adult	90	90	90	25	25	25
	17.9999 Allied Health, Others	Introduction			Sec. P-Sec. L-Adult S-Adult	1,200 11,000	1,200 11,000	1,000 11,000			
	18.1101 Nursing, Gen. (Registered Nurse)	22,930	34,080	2,297	Sec. P-Sec. L-Adult S-Adult	3,300	3,300	3,300	900	900	900
	SUBTOTAL ALLIED HEALTH	75,790	112,550	7,604	Sec. P-Sec. L-Adult S-Adult	7,230 7,710 4,200 29,000	7,240 7,710 4,200 29,000	6,960 7,710 4,200 29,000	1,830 1,620 1,160	1,834 1,620 1,160	1,809 1,620 1,160

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VOCATIONAL EDUCATION PLAN FOR MEETING JOB SKILL TRAINING NEEDS  
PROJECTIONS FOR JOB OPENINGS, ENROLLMENTS AND COMPLETERS  
FY 1986 - 1987 - 1988

Program Area	CIP Number & Instructional Program	Employment		Annual Average Job Needs 1981-1990	Level*	Projected Enrollment			Projected Completers		
		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
V O C A T I O N A L  H O M E E C O N O M I C S	04.0501 Interior Design	3,000	3,520	143	Sec. P-Sec. L-Adult S-Adult	390	390	390	40	40	40
	20.0201 Child Care & Guidance, Gen.	6,620	9,220	661	Sec. P-Sec. L-Adult S-Adult	1,980	1,890	1,850	1,680	1,600	1,560
	20.0202 Child Care Aide/ Assisting	See 20.0201			Sec. P-Sec. L-Adult S-Adult	420	420	420	65	65	65
	20.0203 Child Care/ Management	See 20.0201			Sec. P-Sec. L-Adult S-Adult	870	870	870	155	155	155
	20.0205 Teacher Aide	12,180	15,660	745	Sec. P-Sec. L-Adult S-Adult	360 120	360 120	360 120	60 25	60 25	60 25
	20.0301 Clothing Apparel & Textiles Mgmt. Prod. & Services, Gen.				Sec. P-Sec. L-Adult S-Adult	1,540 200 5,200	1,470 200 5,200	1,390 200 5,200	1,000 65	950 65	900 65
	20.0401 Food Prod. Management & Serv. Gen.	103,020	137,110	7,908	Sec. P-Sec. L-Adult S-Adult	3,830 625 7,400	3,680 625 7,400	3,650 625 7,400	2,800 40	2,680 40	2,660 40
	20.0403 Cook/Chef	24,360	30,100	1,623	Sec. P-Sec. L-Adult S-Adult	500	500	500	35	35	35
	20.0501 Home Furnishings & Equip. Mgmt., Gen.				Sec. P-Sec. L-Adult S-Adult	100	90	80	90	80	70
	20.0601 Institutional Home Management & Support Serv., Gen.				Sec. P-Sec. L-Adult S-Adult	80	60	50	70	50	40
	20.0606 Homemaker's Aide				Sec. P-Sec. L-Adult S-Adult	250	250	250	10	10	10
	20.9999 Voc. Home Economics, Other				Sec. P-Sec. L-Adult S-Adult	90	80	70	90	80	70
	SUBTOTAL VOC. HOME ECONOMICS	149,180	195,610	11,080	Sec. P-Sec. L-Adult S-Adult	7,620 2,245 1,490 14,300	7,270 2,245 1,490 14,300	7,090 2,245 1,490 14,300	5,730 295 200	5,440 295 200	5,300 295 200

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VOCATIONAL EDUCATION PLAN FOR MEETING JOB SKILL TRAINING NEEDS  
PROJECTIONS FOR JOB OPENINGS, ENROLLMENTS AND COMPLETERS  
FY 1986 - 1987 - 1988

Program Area	CIP Number & Instructional Program	Employment		Annual Average Job Needs 1981-1990	Level*	Projected Enrollment			Projected Completers		
		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
TRADE & INDUSTRY	06.2001 Trade & Indust. Supervision & Management	41,470	46,980	1,598	Sec. P-Sec. L-Adult S-Adult	1,225	1,225	1,225	120	120	120
	10.0101 Educational Media Tech.	110	110	4	Sec. P-Sec. L-Adult S-Adult	40	40	40	5	5	5
	10.0104 Radio/TV Production, Broad- casting, Tec.	1,490	1,900	66	Sec. P-Sec. L-Adult S-Adult	65 110	65 110	65 110	5 25	5 25	5 25
	12.0401 Personal Services, Gen.	21,240	27,350	1,651	Sec. P-Sec. L-Adult S-Adult	700	680	620	400	385	350
	12.0403 Cosmetology	4,170	4,550	186	Sec. P-Sec. L-Adult S-Adult	1,050	960	900	340	300	285
	20.0305 Custom Tailoring & Alteration	1,630	2,070	105	Sec. P-Sec. L-Adult S-Adult	2,750	2,750	2,750	475	475	475
	43.0107 Law Enforcement	See 43.0105			Sec. P-Sec. L-Adult S-Adult	140	100	80	40	30	20
	46.0102 Brick, Block & Stone Masonary	3,100	3,220	90	Sec. P-Sec. L-Adult S-Adult	4,300 350 825	4,210 350 825	4,170 350 825	1,100 45	1,070 45	1,060 45
	46.0201 Carpentry	15,690	18,540	1,026	Sec. P-Sec. L-Adult S-Adult	5,300 1,800 2,800	5,210 1,800 2,800	5,150 1,800 2,800	1,500 175	1,450 175	1,430 175
	46.0302 Electrician	15,450	16,880	396	Sec. P-Sec. L-Adult S-Adult	1,400 1,600 1,650	1,310 1,600 1,650	1,250 1,600 1,650	380 340	350 340	330 340
	46.0303 Lineworker (Electrical)	See 46.0302			Sec. P-Sec. L-Adult S-Adult	35 260	35 260	35 260	15	15	15
	46.0401 Building Maintenance	18,600	21,370	594	Sec. P-Sec. L-Adult S-Adult	860	800	760	280	255	240
	46.0501 Plumbing, Pipe- fitting, & Steam- fitting, General	6,540	7,440	251	Sec. P-Sec. L-Adult S-Adult						

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FY 1986 - 1987 - 1988

Program Area	CIP Number & Instructional Program	Employment		Annual Average Job Needs 1981-1990	Level*	Projected Enrollment			Projected Completers		
		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
	46.0502 Pipefitting & Steamfitting	See 46.0501			Sec. P-Sec. L-Adult S-Adult	20	20	20	5	5	5
	46.0503 Plumbing	See 46.0501			Sec. P-Sec. L-Adult S-Adult	120 195 75	100 195 75	80 195 75	50 40	40 40	30 40
	46.9999 Construction Trades, Other		Introduction		Sec. P-Sec. L-Adult S-Adult	4,100 1,800	3,840 1,800	3,780 1,800			
	47.0101 Electrical & Electronic Equip. Repairers, Gen.	7,540	8,520	214	Sec. P-Sec. L-Adult S-Adult	2,300	2,250	2,120	565	550	520
	47.0102 Business Machine Repair	880	1,340	70	Sec. P-Sec. L-Adult S-Adult	20	20	20	15	15	15
	47.0103 Communications Electronics	See 47.0101			Sec. P-Sec. L-Adult S-Adult	165 750	165 750	165 750	15 155	15 155	15 155
	47.0104 Computer Electronics	700	1,670	115	Sec. P-Sec. L-Adult S-Adult	275	300	300	40	45	50
	47.0105 Industrial Electronics	See 47.0101			Sec. P-Sec. L-Adult S-Adult	110	110	110	10	10	10
	47.0108 Small Appliance Repair	1,510	1,820	68	Sec. P-Sec. L-Adult S-Adult	20	20	20	18	18	18
	47.0109 Vending & Recreation Machine Repair	900	880	19	Sec. P-Sec. L-Adult S-Adult	20	20	20	5	5	5
	47.0201 Heating, Air Cond. Ref. Mech., Gen.	3,310	3,850	115	Sec. P-Sec. L-Adult S-Adult	280 1,725 400	240 1,725 400	200 1,725 400	60 250	50 250	40 250
	47.0302 Heavy Equipment Maintenance & Repair	25,970	27,650	764	Sec. P-Sec. L-Adult S-Adult	65 100	65 100	65 100	15 15	15 15	15 15
	47.0303 Industrial Machine Maintenance & Repair	2,290	2,700	82	Sec. P-Sec. L-Adult S-Adult	1,350	1,350	1,350	210	210	210

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FY 1986 - 1987 - 1988

Program Area	CIP Number & Instructional Program	Employment		Annual Average Job Needs 1981-1990	Level*	Projected Enrollment			Projected Completers		
		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
T R A D E & I N D U S T R I A L	47.0402 Gunsmithing				Sec. P-Sec. L-Adult S-Adult	90	90	90	10	10	10
	47.0404 Musical Instrument Repair				Sec. P-Sec. L-Adult S-Adult	25	25	25	5	5	5
	47.0408 Watch Repair	430	440	23	Sec. P-Sec. L-Adult S-Adult	10	10	10	5	5	5
	47.0602 Aircraft Mechanics	1,560	2,020	75	Sec. P-Sec. L-Adult S-Adult	75 15 900	75 15 900	75 15 900	20 5	20 5	20 5
	47.0603 Automotive Body Repair	3,040	3,460	100	Sec. P-Sec. L-Adult S-Adult	700 1,475	650 1,475	640 1,475	220 200	200 200	180 200
	47.0604 Automotive Mechanics	15,620	18,400	659	Sec. P-Sec. L-Adult S-Adult	8,800 3,400 3,000	8,740 3,400 3,000	8,720 3,400 3,000	2,380 350	2,355 350	2,350 350
	47.0605 Diesel Engine Mechanic	5,120	5,870	201	Sec. P-Sec. L-Adult S-Adult	100 570	90 570	70 570	80 55	60 55	50 55
	47.0606 Small Engine Repair	310	250	6	Sec. P-Sec. L-Adult S-Adult	200 185	180 185	120 185	120 15	105 15	70 15
	47.9999 Mechanics & Repairers, Other	Introduction			Sec. P-Sec. L-Adult S-Adult	1,180 80	1,140 80	1,060 80			
	48.0101 Drafting, General	5,340	6,850	236	Sec. P-Sec. L-Adult S-Adult	5,520 125	5,280 125	4,960 125	1,220	1,160	1,090
	48.0102 Architectural Drafting	See 48.0101			Sec. P-Sec. L-Adult S-Adult	175	175	175	40	40	40
	48.0105 Mechanical Drafting	See 48.0101			Sec. P-Sec. L-Adult S-Adult	350	350	350	75	75	75
	48.0199 Drafting, Other	See 48.0101			Sec. P-Sec. L-Adult S-Adult	35 1,200	35 1,200	35 1,200	10	10	10

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FY 1986 - 1987 - 1988

Prog- ram Area	CIP Number & Instructional Program	Employment		Annual Average Job Needs 1981-1990	Level*	Projected Enrollment			Projected Completers		
		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
T R A D E & I N D U S T R I A L	48.0201 Graphic & Printing Comm., General	7,960	9,360	310	Sec. P-Sec. L-Adult S-Adult	2,480 325 100 175	2,380 325 100 175	2,310 325 100 175	700 25 15	660 25 15	640 25 15
	48.0203 Commercial Art	930	1,300	73	Sec. P-Sec. L-Adult S-Adult	100 2,700 65 400	80 2,700 65 400	60 2,700 65 400	25 85 10	20 85 10	15 85 10
	48.0204 Commercial Photography	1,120	1,410	64	Sec. P-Sec. L-Adult S-Adult	180 150	170 150	160 150	150 20	140 20	130 20
	48.0207 Photographic Lab & Darkroom	1,190	1,740	95	Sec. P-Sec. L-Adult S-Adult	20	20	20	15	15	15
	48.0303 Upholstering	10,490	12,160	377	Sec. P-Sec. L-Adult S-Adult	120 275	100 275	80 275	70 25	55 25	45 25
	48.0503 Machine Tool Oper. Machine Shop	22,165	26,670	1,025	Sec. P-Sec. L-Adult S-Adult	740 125 2,100 2,575	720 125 2,100 2,575	700 125 2,100 2,575	220 15 250	210 15 250	200 15 250
	48.0506 Sheet Metal	5,300	6,490	249	Sec. P-Sec. L-Adult S-Adult	60	50	40	20	17	15
	48.0507 Tool & Die Making	2,300	2,520	61	Sec. P-Sec. L-Adult S-Adult	230	230	230	50	50	50
	48.0508 Welding, Brazing & Soldering	9,100	11,390	418	Sec. P-Sec. L-Adult S-Adult	900 2,900	880 2,700	860 2,700	280 325	270 325	265 325
	48.0699 Precision Work Assorted Materials Other				Sec. P-Sec. L-Adult S-Adult	350	350	350	230	230	230
	48.0702 Furniture Making	14,950	16,830	644	Sec. P-Sec. L-Adult S-Adult	880 100 10	860 100 10	800 100 10	280 20 5	265 20 5	245 20 5
	48.0703 Millwork & Cabinetmaking	1,110	1,340	76	Sec. P-Sec. L-Adult S-Adult	1,180	1,120	1,040	280	255	235
	48.0799 Woodworking, Other	See 48.0702			Sec. P-Sec. L-Adult S-Adult	20	20	20	15	15	15

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PROJECTIONS FOR JOB OPENINGS, ENROLLMENTS AND COMPLETERS  
FY 1986 - 1987 - 1988

Program Area	CIP Number & Instructional Program	Employment		Annual Average Job Needs 1981-1990	Level*	Projected Enrollment			Projected Completers		
		Actual 1981	Projected 1990			1986	1987	1988	1986	1987	1988
	48.9999 Precision Production, Other		Introduction		Sec. P-Sec. L-Adult S-Adult	700	640	560			
	49.0101 Air Transportation General				Sec. P-Sec. L-Adult S-Adult	320	300	280	80	75	70
	49.0102 Airplane Piloting & Navigation	390	540	22	Sec. P-Sec. L-Adult S-Adult	65	60	60	5	5	5
	49.0202 Construction Equipment Operation	7,900	9,360	335	Sec. P-Sec. L-Adult S-Adult	65	65	65	20	20	20
T R A D E & I N D U S T R I A L	49.0205 Truck & Bus Driving	43,510	48,590	1,347	Sec. P-Sec. L-Adult S-Adult	225	225	225	125	125	125
	49.0301 Water Trans- portation, Gen.				Sec. P-Sec. L-Adult S-Adult	240	200	160	65	60	50
	49.0303 Commercial Fishing Operation				Sec. P-Sec. L-Adult S-Adult	5 1,050	5 1,050	5 1,050	2	2	2
	49.0306 Marine Maintenance	130	170	7	Sec. P-Sec. L-Adult S-Adult	65	65	65	15	15	15
	49.9999 Transportation & Material Moving, Other		Introduction		Sec. P-Sec. L-Adult S-Adult	80	70	60			
	50.0201 Crafts, General				Sec. P-Sec. L-Adult S-Adult	55 2,100	55 2,100	55 2,100	10	10	10
	50.0202 Ceramics				Sec. P-Sec. L-Adult S-Adult	50	50	50	5	5	5
	SUBTOTAL TRADE & INDUSTRIAL EDUCATION	338,965	389,232	14,097	Sec. P-Sec. L-Adult S-Adult	45,420 5,155 23,630 21,615	43,740 5,155 23,470 21,615	42,180 5,155 23,470 21,615	11,168 375 3,437	10,650 375 3,442	10,220 375 3,447

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TABLE 1 a

NORTH CAROLINA VOCATIONAL EDUCATION PLAN  
FOR MEETING CONSUMER & HOMEMAKING NEEDS  
FY 1986 - 1987 - 1988

Prog. ram	CIP NUMBER and Instruct- ional Program	Level	Projected Enrollment		
			1986	1987	1988
C O N S U M E R & H O M E M A K I N G	20.0101 Comprehensive Consumer & Homemaking	Sec. P-Sec. L-Adult S-Adult	25,380	25,120	24,740
	20.0102 Child Development, Care & Guidance	Sec. P-Sec. L-Adult S-Adult	1,180 1,200	1,060 1,200	980 1,200
	20.0103 Clothing & Textiles	Sec. P-Sec. L-Adult S-Adult	980 7,000	900 7,000	760 7,000
	20.0104 Consumer Education	Sec. P-Sec. L-Adult S-Adult	760	700	620
	20.0105 Exploratory	Sec. P-Sec. L-Adult S-Adult	8,410	8,320	7,440
	20.0107 Family Living	Sec. P-Sec. L-Adult S-Adult			
	20.0108 Food & Nutrition	Sec. P-Sec. L-Adult S-Adult	2,400 5,000	2,320 5,000	2,200 5,000
	20.0110 Housing, Home Furnishing & Equipment	Sec. P-Sec. L-Adult S-Adult	340 1,100	320 1,100	300 1,100
	20.0199 Personal Management for Wage Earning/ Career	Sec. P-Sec. L-Adult S-Adult	120	100	80
	SUBTOTAL CONSUMER & HOMEMAKING	Sec. P-Sec. L-Adult S-Adult	39,570 14,300	38,840 14,300	37,120 14,300



TABLE 1 b

VOCATIONAL EDUCATION PLAN FOR MEETING JOB SKILL TRAINING NEEDS  
 PROJECTIONS FOR JOB OPENINGS, ENROLLMENTS AND COMPLETERS  
 FY 1986 - 1987 - 1988

Program Area	CIP Number & Instructional Program	Level*	Projected Enrollment		
			1986	1987	1988
I N D U S T R I A L  A R T S	21.0101 Introduction Industrial Arts, General	Sec. P-Sec. L-Adult S-Adult	4,240	4,200	4,020
	21.0102 Construction	Sec. P-Sec. L-Adult S-Adult	1,080	1,040	980
	21.0103 Drafting	Sec. P-Sec. L-Adult S-Adult	2,200	2,100	2,000
	21.0104 Electricity/ Electronics	Sec. P-Sec. L-Adult S-Adult	330	300	200
	21.0105 Energy, Power & Transportation	Sec. P-Sec. L-Adult S-Adult	720	680	620
	21.0106 Graphic Arts	Sec. P-Sec. L-Adult S-Adult	1,020	980	910
	21.0107 Manufacturing/ Materials	Sec. P-Sec. L-Adult S-Adult	9,400	9,340	8,960
	SUBTOTAL INDUSTRIAL ARTS	Sec. P-Sec. L-Adult S-Adult	18,990	18,680	17,690
	32.0101 Remedial	Sec. P-Sec. L-Adult S-Adult	3,100 550	3,100 550	3,100 550
	SUBTOTAL REMEDIAL	Sec. P-Sec. L-Adult S-Adult	3,100 550	3,100 550	3,100 550

TABLE 1 b

VOCATIONAL EDUCATION PLAN  
INDUSTRIAL ARTS, REMEDIAL AND PREVOCATIONAL PROGRAMS  
FY 1986 - 1987 - 1988

Prog. ram	CIP NUMBER and Instruct- ional Program	Level	Projected Enrollment		
			1986	1987	1988
	Basic Skills	Sec. P-Sec. L-Adult S-Adult	93,872	93,680	93,220
	Industrial Arts	Sec. P-Sec. L-Adult S-Adult	18,990	18,340	17,690
P R E  V O C	SUBTOTAL BASIC SKILLS	Sec. P-Sec. L-Adult S-Adult	112,862	112,020	110,910
	Other Not Elsewhere Classified	Sec. P-Sec. L-Adult S-Adult	5,220	5,140	5,020
	SUBTOTAL INDUSTRIAL ARTS, REMEDIAL, & PREVOCATIONAL	Sec. P-Sec. L-Adult S-Adult	118,082 3,100 550 5,500	117,160 3,100 550 5,500	115,930 3,100 550 5,500

TABLE 1 c

SUMMARY OF PROJECTED ENROLLMENT AND COMPLETERS  
BY MAJOR PROGRAMS  
FY 1986 - 1987 - 1988

Program Area	CIP Number & Instructional Program	Employment Actual 1981	Projected 1990	Annual Average Job Needs 1981-1990	Level	Projected *		Projected **	
						Enrollment		Completers	
						1986	1987	1986	1987
	SUBTOTAL								
SKILLS DEVELOPMENT PROGRAMS	Sec.				Sec.	103,540	100,602	96,347	35,058
	P-Sec.				P-Sec.	81,791	81,873	81,946	7,679
	L-Adult	1,478,325	1,753,927	79,008	L-Adult	31,210	31,395	31,620	4,917
	S-Adult				S-Adult	171,880	171,880	171,880	4,937
	SUBTOTAL				Sec.	118,082	117,500	115,930	
SPECIAL PROGRAMS	P-Sec.				P-Sec.	3,100	3,100	3,100	
	L-Adult				L-Adult	550	550	550	
	S-Adult				S-Adult	5,500	5,500	5,500	
	SUBTOTAL				Sec.	39,570	38,840	37,120	
CONSUMER AND HOMEMAKING	P-Sec.				P-Sec.				
	L-Adult				L-Adult				
	S-Adult				S-Adult	14,300	14,300	14,300	
	SUBTOTAL				Sec.	261,192	256,942	249,397	35,058
STATE TOTALS	P-Sec.				P-Sec.	84,891	84,973	85,046	7,679
	L-Adult	1,478,325	1,753,927	79,008	L-Adult	31,760	31,945	32,170	4,917
	S-Adult				S-Adult	191,680	191,680	191,680	4,937
	SUBTOTAL				Sec.	39,570	38,840	37,120	

NOTE: \*Projected vocational enrollment includes all students enrolled in vocational programs in grades 7-12.

\*\*Projected vocational completers include only those students completing, primarily from grade (12), a sequence of courses for a given program.

## ASSESSMENT OF NEED

Table 2

	Students	Handi- capped	Disad- vantaged	Limited English Proficiency	Adults	Single Parent/ Homemaker	Inmate
Career Awareness	X	X	X	X			
Career Exploration	X	X	X	X			
Career Guidance	X	X	X	X	X	X	X
Career Selection	X	X	X	X	X	X	X
Skill Training	X	X	X	X	X	X	X
Basic Education				X	X	X	X
H. S. Equivalency		X	X	X	X	X	X
Up-grading Training					X	X	
Develop Self-Confidence		X	X	X	X		X
Job Motivation			X	X	X	X	X
Coop Education	X	X	X	X		X	
Work Experience	X	X	X	X		X	
Apprenticeship					X	X	
Job Placement	X	X	X	X	X	X	
Financial Assistance		X	X	X	X	X	



3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
<u>State Administration</u> - Projected Budget \$972,834		
1. Provide for state administration of Title II, Part A activities.	1a.	Activities, programs, and services provided to increase vocational opportunities for handicapped, disadvantaged, and sex equity.
Provide for State administration of Title II, Part B activities.	1b.	Activities, programs, and services provided for vocational education program improvement, innovation, and expansion.
<u>Planning</u>		
1. Planning will be designed to facilitate maintenance, improvement, innovation, and expansion of high quality programs germane to employment opportunities and skill development requirements.	1a.	Education and training programs will provide participants state-of-the-art curricula, equipment, and facilities relevant to their career objective.
	1b.	Education and training programs will be designed/modified to accommodate individual learning styles and abilities.
2. State and local planning will be designed to maximize the utilization of agencies, groups, and individuals concerned with the education and training of clientele referenced in the Act.	2a.	Improved cooperation between agencies, groups and individuals will contribute to efficient use of personnel, facilities and resources.
	2b.	Duplication of effort in education and training will be minimized and/or avoided through joint planning.

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
<u>Planning</u>		
3. Services and activities which facilitate participants education and training commensurate with their individual interests and abilities will be provided at all levels of education and training.	3a. Participants will acquire education and training in an environment conducive to learning according to individual differences.	
<u>Research</u>		
1. Identify needed research; disseminate RFPs; receive proposals; coordinate selection of contractors; and fund program improvement activities for vocational education.	1a. Vocational practitioners will be provided with documented answers to timely questions related to the intent of the new legislation.	
2. Initiate new research and/or development projects commensurate with the intent of Federal vocational legislation. Potential areas to be addressed are: instructional and learning technology; inter-discipline education and training; program and process accountability; and improvement of the teacher preparation system.	2a. Vocational practitioners will be provided with documented answers to timely questions related to the intent of the new legislation.	
3. Train a cadre of individuals to serve as vocational program improvement resource aides to local school systems.	3a. A linker mechanism among vocational educations will be provided to expedite the movement of research results into action.	

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
<u>Research</u>		
4.	Install computerized, data-based system for generating and managing vocational education program improvement activities.	4a. The efficiency and efficacy of program improvement activities will be improved and thus higher quality of services will be delivered within less time to state-level and field personnel as well as to potential participants in the program improvement research and development process.
5.	Monitor and provide technical assistance to on-going program improvement activities.	5a. Execution of program improvement projects will be facilitated thus assuring compliance with project guidelines and legislation.
6.	Install an intra-state research reporting and local practices network.	6a. A linker mechanism among vocational educators will be provided to expedite the movement of research results into action.
7.	Initiate collaborative research and/or development efforts (on instructionally-related issues) with established state and national institutions and consortia.	7a. The amount of time between identification of a problem issue and possible strategies for its resolution will be decreased.
8.	Initiate collaborative research with business and industry, especially in the areas of personnel/employee training, new product development, and business management.	8a. Linkage with business and industry will be established as a source of input into program design, operation, and financial support.

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
<u>Guidance and Counseling</u> - Projected Budget (\$1,729,887)		
1.	Provide state leadership and technical assistance to local education agencies in the areas of program planning, implementation and evaluation of vocational guidance, counseling, and placement services.	1a. A statewide system of vocational guidance, counseling, and placement will be maintained.
2.	Provide resources and consultant services to assist local education agencies to address the needs of students for:	2a. Local, state and federal vocational guidance funds will be allocated to local education agencies to assist the local staff to better serve the needs of students.
	- adequate career decision-making skills. - equal access to vocational education services and activities. - elimination of sex, age, handicapping conditions, and race stereotyping. - current labor market information and resources. - sequential employability skills. - on-the-job training opportunities. - job placement of students. - follow-up of vocational students.	2b. Services rendered to local education agencies will allow guidance and counseling personnel to assist students to:  - acquire self-assessment, career planning, career decision-making, and employability skills. - make the transition from education and training to employment - develop skills in stable, new and emerging fields in high technology areas. - obtain and use information on financial assistance for postsecondary, vocational education, and job training. - encourage the elimination of sex, age, handicapping conditions, and race bias and stereotyping.



3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
<u>Guidance and Counseling</u>		
TITLE II, PART A:		
<u>Handicapped</u> - Projected Budget \$1,292,479		
1.	Provide supplemental vocational instruction to handicapped student in accordance with a written Individualized Education Plan.	1a. Handicapped students will receive additional instruction designed to meet their individual needs.
2.	Provide comprehensive vocational assessment for handicapped students prior to entering vocational programs.	2a. Ninth grade level handicapped students will receive an assessment of their interest, ability and vocational potential which will enable them to enroll in a skill development program that will meet their interest and needs.

- reflect the collaboration of the community to include business/industry/labor.
- provide on-the-job training experiences for students.
- placement of students in the job market.
- conduct follow-up studies on students for improved program planning.
- enable local counselors opportunities for internships in business and industry.

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
TITLE II, PART A:		
<u>Handicapped</u>		
3. Provide transitional services which will encompass a broad array of services and experiences which will lead to sustained employment.	3a. Handicapped students who will leave school within three years will have a systematically planned program that will provide vocational training in high school and assistance through the initial years of employment.	
4. Provide cooperative strategies and internships in conjunction with vocational programs in which students are enrolled.	4a. Twelfth grade handicapped students to the extent possible will have coordinated work experience which will enable them to make a smooth transition from school to work.	
5. Provide assistance and support to vocational teachers in the areas of curriculum and equipment modification.	5a. Improvement in vocational programs and instruction.	
TITLE II, PART A:		
<u>Disadvantaged</u> - Projected Budget \$2,843,454		
1. Provide state and federal resources to assist local education agencies the following services and activities for disadvantaged students:	1a. Disadvantaged students in grades 7-12 will benefit from:	

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES	BENEFITS
<u>Disadvantaged</u>	
(a) Assessment of interest, abilities and special needs of students.	(a) Increased knowledge of students vocational potential and special needs.
(b) Outreach activities and services for students.	(b) Increased awareness of students and parents of the vocational opportunities available and eligibility requirements of each program.
(c) Supplemental instruction in vocational program areas.	(c) Enhanced vocational instruction designed to meet the individual needs of students.
(d) Basic skills remediation when necessary to enhance student's vocational instructional programs and carry out the purpose of vocational education.	(d) Improved correlation of basic and vocational instruction designed to prepare students for the job market.
(e) Assistance and support to vocational teachers in the areas of curriculum modification and development.	(e) Improvement in vocational programs and instruction.
(f) Additional counseling activities.	(f) Increased employability skills, self esteem and career decision ability of students.

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
<u>Disadvantaged</u>		
2.	Provide financial assistance to needy disadvantaged student through work-study opportunities.	2a. Economically disadvantaged students will receive financial assistance.
3.	Develop and implement cooperative vocational strategies and internship for disadvantaged students in conjunction with vocational programs in which students are enrolled.	3a. Students will have coordinated on-the-job training opportunities through several vocational programs.
4.	Provide placement services for students who have successfully completed vocational training.	4a. All disadvantaged students completing vocational programs will have assistance in obtaining employment.



3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
TITLE II, PART A:		
<u>Sex Bias/Stereotyping</u> - Projected Budget \$452,368		
1. Request, evaluate and fund competitive projects for LEAs to eliminate sex bias and stereotyping through:	1a. Sex equity programs, activities and services which improve access to quality vocational education and training opportunities statewide for students in grades 7-12:	
(a) Guidance, counseling, assessment, placement data analysis and related guidance programs, activities and services that are responsive to the changing patterns of men and women in the labor force.	(a) Information and guidance which is responsive to and facilitates the changing patterns of males and females in vocational education and in the existing and future labor force.	
(b) Separate vocational education programs or courses which have as their purpose the elimination of sex bias and stereotyping and/or the infusion of sex equity.	(b) Elimination of the limiting effects of sex role socialization.	
(c) Support services, programs and activities for females and/or non-traditional students.	(c) Educational support for students' selection of non-traditional educational and occupational patterns.	
(d) Programs that provide work experience and/or marketable skills experiences that are not traditional for the students' sex.	(d) Facilitation of career decisions based on individual interests, abilities and aptitudes rather than on social stereotypes.	
(e) Programs, services and/or activities that provide remediation in basic academic and/or vocational skills development to open career options to females and/or non-traditional students.	(e) Additional remediation to improve the academic foundations and career options for females and non-traditional students and to aid in entry to the newer technologies.	

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES	BENEFITS
TITLE II, PART A:	
<u>Sex Bias/Stereotyping</u>	
2. Provide state leadership, training, personnel development and/or technical assistance to local education agencies in providing for male and female students who desire to enter occupations that are not traditionally associated with their sex.	2a. Support, improvement, strengthening and initiation of programs, services and activities to eliminate barriers to equal access to vocational education for all students and to reduce the limiting effects of sex role stereotyping on job skills, occupations, levels of competency and careers.
3. Provide support services for individuals in vocational education programs, services and activities to eliminate sex bias and stereotyping for girls and women aged 14-21.	3a. Assure that individuals who are inadequately served under vocational education programs, have access to quality programs, especially individuals who are disadvantaged, handicapped, or individuals who are entering nontraditional occupations.

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS

FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES	BENEFITS
TITLE II, PART B:	
Curriculum Development - Projected Budget \$100,000	
A. Provide state leadership and coordination for the research, development, revision and selection of up-to-date competency based and relevant curriculum pertinent to the workplace and to new and emerging technologies.	
1. Identification and evaluation of instructional software and other materials to improve, expand and modernize the instructional process.	1a. Students will have access to learning experiences and supplemental resources commensurate with their learning styles, needs, and level of development.
2. Development, revision or purchase of state-of-the art curriculum guides for all programs.	2a. Teachers will have access to current information for planning and managing the teaching/learning process.
3. Distribution of curriculum materials developed in relationship to research and program innovations.	3a. Teachers will be provided with instructional materials that will enhance the teaching/learning process.

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES	BENEFITS
TITLE II, PART B:	
<u>Personnel Development</u> - Projected Budget \$500,000	
1. Provide a scholarship program for individuals desiring degree certification in a vocational program area.	1a. More individuals will be in training to become vocational education teachers.
2. Revise vocational education certification guidelines to include part-time personnel and provisionally certified personnel.	2a. Individuals employed on a part-time basis as well as provisionally certified should be better prepared instructors.
3. Update the Division of Vocational Education Management Plan to include specific goals and objectives for the training of employed vocational personnel to include teachers, counselors, teacher educators, and state and local administrators. This will include priorities in new and related fields, equity, and special populations.	3a. Employed vocational personnel will be kept up to date, both technically and professionally.
4. Collect statewide data on the quality and quantity of vocational education personnel. This data will be shared with institutions of higher education for use in planning for vocational teacher education.	4a. Programs that provide the training for potential vocational personnel will make efforts to improve the quality and quantity of potential personnel based on data provided.



3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES	BENEFITS
TITLE II, PART B:	
<u>Program Improvement, Innovation and Expansion - Projected Budget \$7,736,451</u>	
1. Provide for statewide program improvement, innovation, and expansion.	1a. Activities and services will be provided to each eligible recipient to expand, improve, modernize, and develop quality vocational programs.
<u>Innovative Programs, Services and Activities</u>	
<u>Principles of Technology</u>	
1. Select 20 sites to field test a principles of technology program during the 1985-86 school year.	1a. Approximately 400 students (20 per site) will be enrolled in the pre-technical program. One class of 20 students be enrolled for the field test, however, an LEA may elect to serve more students if student demand/interest is sufficient.
2. During the 1986-87 school year the students in the 1985-86 field test would complete the 2nd year of the field test.	1b. Students will receive state-of-the art technology education/training relevant to labor market needs. 2a. Prepare the students for enrollment in post-secondary training in a technical field.
3. During the 1986-87 school year, 50-75 additional sites will be selected to field test Units 1-7.	2b. Prepare the students to complete their training in private industry or military technical training programs. 3a. Thousands of 11th graders will be offered the opportunity to enroll in a pre-technical course.

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES	BENEFITS
<u>Principles of Technology (con't)</u>	
4. During the 1987-88 school year, any LEA that has the proper resources will be encouraged to offer the Principles of Technology course to their students.	4a. Most students will have the opportunity to enroll in the pre-technical course in their local high school.
5. During the 1987-88 school year, the students enrolled in the 50-75 sites will have the opportunity to complete the 2nd year of the Principles of Technology.	5a. Prepare the students for enrollment in post-secondary training in a technical field.  5b. Prepare the students to complete their training in private industry or military technical training programs.
<u>Telecommunications:</u>	
1. Develop alternative models for delivering vocational education and implement program models within the state to include a rural education model delivering vocational education to sparsely populated areas; a Community-Based Vocational Education and Training Model utilizing available resources from secondary, post-secondary, business and industry, and JTPA; and a Training Model for delivering staff development to the teachers involved in the projects.	1a. Improved services to students and teachers with an innovative cost effective and efficient approach to class scheduling instructional methods, and instructional personnel.  Equal access to comprehensive vocational programs by students who live in isolated areas of the state.  Provide opportunities to both youth and adults through the networking of community resources within an extended day concept.

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES	BENEFITS
TITLE II, PART B:	
<u>Prevocational Education</u>	
1. Provide state leadership and technical assistance to local education agencies in prevocational education.	1a. A statewide system of prevocational education will be improved and expanded for the presently enrolled 86,757 students (approximately).
2. Provide local, state, and federal resources to local education agencies to employ an adequate number of vocationally trained personnel to organize, implement, and evaluate prevocational programs for middle/junior high school students.	2a. An adequate number of trained teachers will improve program effectiveness.
3. Implement prevocational programs that will assist students with:	3a. Prevocational programs will assist students in the: <ul style="list-style-type: none"> <li>• use of assessed abilities, interests, and ambitions in career decision-making.</li> <li>• use of guidance and counseling services to develop a tentative four-year educational plan.</li> <li>• development of leadership and citizenship skills through participation in the vocational student organization.</li> </ul>

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
TITLE II, PART B:		
<u>Vocational Student Organizations</u>		
1.	Promote the implementation of vocational student organization activities for all students in every local program of vocational education.	1a. To motivate students and to enhance, enrich, and supplement the instructional program.
2.	Provide funds for vocational student organization instructional materials supplies and equipment.	2a. To facilitate the effective operation of local units for each of the vocational student organizations.
3.	Provide funds for local staff development and for state level leadership/service functions for vocational student organizations.	3a. Higher levels of teacher competency for VSO work; more effective operation of VSO activities on local, regional, state and national levels.



3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
TITLE II, PART B:		
<u>Cooperative Education</u>		
1.	Cooperative vocational on-the-job training will be conducted through program areas at skill development levels in 142 local education agencies.	1a. Approximately 26,000 students will have opportunities to participate in cooperative on-the-job training at the skill development level through several program areas.
2.	The cooperative vocational education method will be used with disadvantaged and handicapped students enrolled in regular programs who are receiving supportive services when maturity and skill levels indicate a positive transition from school to work can be made.	2a. Approximately 5,300 students will have the opportunity to participate in cooperative education at the skill development level through several program areas.
3.	Special disadvantaged/handicapped programs will place students for cooperative on-the-job training when maturity and skill levels indicate a positive transition from school to work can be made.	3a. The focus of disadvantaged/handicapped special programs will become one of skill development for jobs. Transitional counseling will become a greater priority.
4.	Disadvantaged and handicapped students will be involved in cooperative on-the-job training or a work site internship during the time they are enrolled.	4a. The focus of vocational assessment and transitional services will be to ensure the employability of the handicapped student.

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES	BENEFITS
TITLE II, PART B:	
<u>Cooperative Education</u>	
5. Staff members with assignments to serve disadvantaged and handicapped student will serve as liaison with special education, JTPA, and the business community.	5a. Planning and coordination of all vocational services for handicapped and disadvantaged students will be enhanced.
TITLE II, PART B:	
<u>Industrial Arts Education</u>	
1. Provide state level leadership and state resources to ensure that Industrial Arts programs are improved and expanded in the secondary schools.	1a. Industrial Arts instructional programs will expand and improve in quality through state leadership, technical assistance and in-service training for teachers. Curriculum development for courses related to the understanding about the contemporary aspects of industry and technology, and additional materials and equipment will be provided.
	1b. Approximately 18,000 Industrial Arts students will benefit from programs designed to assist them in: a) making meaningful occupational choices and/or b) preparing them for entry into post-secondary education/training programs.

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
TITLE II, PART B:		
<u>Evaluation</u>		
1.	20% of all eligible recipients will be evaluated annually.	<p>1a. Program improvement will be expedited based on assessment of administrative, and instructional services and activities.</p> <p>1b. Facilities and equipment will be improved by assessments based on quality standards.</p> <p>1c. Programs will be assessed based on relevance to labor market needs and skill requirements.</p> <p>1d. Program modification/adaptation will be assessed based on the needs of special populations.</p> <p>2a. Relationship between training and job accomplishments, satisfaction and needs will reflect desirable changes to modify/improve services and activities.</p> <p>2b. Relationship between training and employment in career objective occupation reflects appropriateness of training to employment needs.</p>
2.	Follow-up assessment of student completers will ascertain student accomplishments and needs pertaining to training relevant to employment.	

3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES	BENEFITS
TITLE II, PART B:	
<u>Follow-Up</u>	
1. Provide annual follow-up of all student completers of vocational programs along with their respective employers.	1a. Analyzed data will be provided SEA and LEA personnel for the purpose of Program Improvement.
<u>Reporting</u>	
1. Enrollment data will be collected, analyzed and compiled for distribution to interested clientele.	1a. Enrollment data will contribute to data-based management of programs, services and activities.
	1b. Data-based enrollment analysis will contribute to improved, modified, expanded, terminated and new programs.
TITLE III - PART B	
<u>Consumer/Homemaker Education - Projected Budget \$968,140</u>	
1. Instructional programs, services and activities designed to prepare youth and adults for the occupation of homemaker.	1a. Students will develop competencies in food and nutrition, consumer education, family living parenthood, child development and guidance, housing, home management, and clothing and textiles.
2. Provide services and activities for special populations.	2a. Programs will be conducted in economically depressed areas; encourage participation of traditionally underserved populations; eliminate sex bias and stereotyping; address priorities and emerging concerns at the local state, and national levels.



3.04

TABLE 3 a

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Secondary

ACTIVITIES		BENEFITS
TITLE III - PART B		
<u>Consumer/Homemaker Education</u>		
3. Program development and improvement of instruction and curricula.	3a. Students will learn to manage individual and family resources, make consumer choices, manage home and work responsibilities, manage individual and family crises, strengthen parenting skills, assist aged and handicapped individuals, improve nutrition, conserve limited resources, understand new technology, and apply consumer and homemaker skills to jobs and careers.	
4. Support services and activities designed to ensure the quality and effectiveness of programs.	4a. Provide innovative and exemplary projects community outreach to underserved populations, application of academic skills, curriculum development, research, program evaluation, development of instructional materials, teacher education, upgrading of equipment, teacher supervision, and state administration and leadership, including activities of the student organization.	
5. Sharing of information gained through program services and activities.	5a. Information gained through program services and activities will be shared with administrators for the purpose of program planning and other benefits.	

TABLE 3 bPLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988LEVEL: Postsecondary - Adult

ACTIVITIES	BENEFITS
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Administration - Projected Budget \$486,410

Provide for a state staff to administer vocational education programs.

Improve programs, services and activities for handicapped, disadvantaged, adults, single parents and homemakers, criminal offenders, and increase the equal access to vocational educational education programs.

Sex Equity Coordinator - Projected Budget (\$46,000)

A full-time individual will assist in reviewing the State's progress in providing equal education opportunity in vocational education and providing leadership and technical assistance toward elimination of sex bias and discrimination in vocational education.

Provide an opportunity for prospective students to become informed of the wide variety of jobs and thereby make a more informed selection of a vocational technical program based upon individual interest, aptitude and ability.

## TITLE II: PART A Vocational Education Opportunities

Handicapped - Projected Budget \$1,292,460

Federal and state resources will be allotted to assist eligible recipients in providing supplemental programs, services and activities, which will provide for the improvement of vocational education services and activities for handicapped individuals.

The programs, services and activities provided will assist postsecondary and adult handicapped to succeed in vocational education and develop employment skills.

3.04

TABLE 3 b

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Postsecondary - Adult

ACTIVITIES	BENEFITS
<u>Disadvantaged</u> - Projected Budget \$2,842,412	<p>Federal and state resources will be allotted to assist eligible recipients in providing supplemental programs, services and activities, which will provide for the improvement of vocational education services and activities for disadvantaged individuals.</p> <p>The programs, services and activities will assist postsecondary and adult disadvantaged to succeed in vocational education and develop employment skills.</p>
<u>Adult Training</u> - Projected Budget \$4,652,902	<p>Federal and state funds will be allotted to eligible recipients to provide, improve, and expand adult and postsecondary vocational education services and activities to train and retrain adults.</p> <p>The programs, services and activities provided will assist adult and postsecondary students to develop employment skills.</p>
<u>Single Parent or Homemaker</u> - Projected Budget \$1,647,903	<p>Federal funds will be allotted to eligible recipients to provide vocational education and training activities including basic literacy education, provide information on vocational education, child care, and make vocational education and training more accessible to single parents or homemakers.</p> <p>The programs, services and activities provided will assist a single parent or homemaker to attain a basic education and develop employment skills.</p>

3.04

TABLE 3 b

PLANNED USES OF FEDERAL FUNDS  
FY 1986, 1987, 1988

LEVEL: Postsecondary - Adult

ACTIVITIES	BENEFITS
<p><u>Sex Bias and Stereotyping - Projected Budget \$226,180</u></p> <p>Federal funds will be allotted to eligible recipients to provide for child care, programs, services and activities to eliminate sex bias and stereotyping in vocational education programs.</p>	<p>The programs, services and activities provided will assist girls and young women age 18 through 25 to develop employment skills and enable the participants to support themselves and their families.</p>
<p><u>Criminal Offenders - Projected Budget \$193,871</u></p> <p>Federal funds will be allotted to eligible recipients to provide programs, services and activities to criminal offenders who are serving in correctional institutions to meet the special needs of these individuals.</p>	<p>The programs, services and activities provided will assist criminal offenders to attain a basic education and develop employment skills.</p>



### 3.05 DISTRIBUTION OF FUNDS:

The State Board's shall require a local application from eligible recipients for all programs under Title II and III of the Act.

#### (a) Application from eligible recipients - Secondary

(1) Each eligible recipients will prepare a local application (plan) covering FY 1986, 1987, 1988 which shall reflect:

- (A) The vocational education programs, services, and activities proposed to be funded.
- (B) The coordination with relevant programs conducted under the Job Training Partnership Act to avoid duplication.
- (C) The local application shall be available for review and comment by interested parties, including the appropriate administrative entity under the Job Training Partnership Act.

#### (b) Local application exemption - Secondary

The State Board will not exempt any eligible recipients from submitting a local plan for the three year period covered by the State Plan and an annual application each year.

#### (c) Application from eligible recipients - Postsecondary

Each eligible recipient will prepare a local application (plan) covering FY 1986, 1987, and 1988 which shall reflect:

- (1) The vocational education programs, services, and activities proposed to be funded.
- (2) The coordination with relevant programs conducted under the Job Training Partnership Act and the Adult Education Act, to avoid duplication.
- (3) The Local application shall be available for review and comment by interested parties, including the appropriate administrative entity under the Job Training Partnership Act.

#### (d) Local application exemption - Postsecondary

The State Board of Community Colleges may exempt an eligible recipient from the requirement of providing a local application based on criteria described in 3.11 of this State Plan.

(e) Approval of local application

The approval of the local application from eligible recipients will be based on the content of the application in relation to the requirements of the Act.

(f) Amendments to local applications

The eligible recipients will amend or reaffirm the local application periodically based on State and/or local determinations.

(g) Planned use of Federal funds

The funding level by purpose of the Act is listed in Table 4.

(h) Federal funds allotted to eligible recipients

More than 50% of the funds available will be allotted to eligible recipients in economically depressed areas. The division of funds between economically depressed areas and non-economically depressed areas is listed in Table 5.

NORTH CAROLINA  
PLANNED USES OF FEDERAL FUNDS

FY 1986 - 1987 - 1988

FUNDING CATEGORIES	FEDERAL FUNDS			NON-FEDERAL FUNDS	
	CARRYOVER	ALLOTMENT	TOTAL	BUDGETED	BUDGETED
TITLE II:					
State Administration	1,159,000	20,846,337	22,005,337	22,005,337	19,949,549
Sex Equity Coordination	132,000	1,459,244	1,591,244	1,591,244	1,723,410
(Balance for PARTS A & B)	(15,000)	(86,002)	(101,002)	(101,002)	* (101,002)
Guidance and Counseling	1,027,000	19,387,093	20,414,093	20,414,093	18,226,139
Local Administration		(1,729,887)	(1,729,887)	(1,729,887)	(1,750,000)
					*
PART A:					
Handicapped	271,000	1,938,709	2,209,709	2,209,709	* 2,209,709
Disadvantaged	541,000	4,265,160	4,806,160	4,806,160	* 4,806,160
Adult Training		2,326,451	2,326,451	2,326,451	* 2,326,451
Single Parent/Homemaker		1,647,903	1,647,903	1,647,903	
Sex Bias/Stereotyping		678,548	678,548	678,548	
Corrections		193,871	193,871	193,871	
PART B:					
Curriculum Development	30,000	100,000	130,000	130,000	
Personnel Development	55,000	500,000	555,000	555,000	
Program Improvement/					
Innovation/Expansion	130,000	7,736,451	7,866,451	7,866,451	8,883,819
Total Program Improvement	215,000	8,336,451	8,551,451	8,551,451	* 8,883,819

\* Non-Federal Funds must be equal to or greater than Federal funds

3.05

Table 4  
Level StateNORTH CAROLINA  
PLANNED USES OF FEDERAL FUNDS

FY 1986 - 1987 - 1988

FUNDING CATEGORIES	FEDERAL FUNDS			NON-FEDERAL FUNDS	
	CARRYOVER	ALLOTMENT	TOTAL	BUDGETED	BUDGETED
TITLE III:					
Local Administration	(	)			*
PART A:					
Community Based Organizations					
State Administration					
PART B:					
Consumer/Homemaker Education		968,140	968,140	968,140	968,140
Economically Depressed Areas					
Leadership Activities					
State Administration					
PART C:					
Adult Training/Retraining/ Employment					
State Administration					
Part D:					
Career Guidance & Counseling					
Sex Bias/Stereotyping					
Leadership Activities					
State Administration					
PART E:					
Industry-Education Partnership					
State & Local Administration					
State/Local Funds					
Business/Industry Share					

\* Non-Federal funds must be equal to or greater than Federal funds  
 # 50% matching required of which 25% from State/local funds and 25% from participating firms



3.05  
Table 5  
Level State

NORTH CAROLINA  
FEDERAL FUNDS ALLOTTED TO ELIGIBLE RECIPIENTS

SECONDARY AND POSTSECONDARY  
STATE TOTALS  
FY 1986 - 1987 - 1988

FUNDING CATEGORIES	ECONOMICALLY DEPRESSED AREAS	NON-ECONOMICALLY DEPRESSED AREAS
TITLE II:	10,441,559	7,606,188
PART A:		
Handicapped	963,663	975,046
Disadvantaged	2,231,773	2,033,487
Adult Training	2,326,451	
Single Parent/Homemaker	661,167	986,736
Sex Bias/Stereotyping		678,548 *
Corrections		193,871 *
PART B:		
Program Improvement/Innovation		
Expansion	4,258,505	2,738,500
TITLE III:	581,086	387,054
PART A:		
Community Based Organizations		
PART B:		
Consumer/Homemaker Education	581,086	387,054
PART C:		
Adult Training/Retraining/ Employment		
PART D:		
Career Guidance & Counseling		
PART E:		
Industry-Education Partnership		
Total Federal Funds Allotted to Eligible Recipients	11,022,645	7,993,242

\* Cannot split until grants to recipients are determined

1. DISTRIBUTION OF FUNDS - SECONDARY

Priority Distribution Criteria - Since the North Carolina State Board of Education and the North Carolina State Board of Community Colleges elect to provide federal vocational education funds to all local educational agencies and postsecondary institutions, they shall give priority consideration in the funding formula to those which are located in economically depressed areas and areas with high rates of unemployment, and are unable to provide the resources necessary to meet the vocational education needs of those areas without Federal assistance.

A. Formula Distribution of Funds - Secondary

The State Board of Education will allocate resources to eligible recipients based on the following:

Title II - Part A

1. Set Asides

(a) Handicapped

The State Board shall distribute 50% of the Federal and State Vocational Handicapped funds to Local Educational Agencies (LEAs) on a formula based on the following:

FACTOR

Relative number of Economically Disadvantaged students enrolled in each LEA prior year to total enrolled in all LEAs prior year. The remaining 50% shall be distributed on a formula based on the following:

FACTOR

Relative number of Vocational Handicapped students served in each LEA prior year to total vocational students served in all LEAs prior year.

(b) Disadvantaged

The State Board shall distribute 50% of the Federal and State Disadvantaged funds to LEAs on a formula based on the following:

FACTOR

Relative number of Disadvantaged Vocational Students and LEP vocational students served in vocational education prior year to total enrolled in all LEAs in both categories prior year. The remaining 50% shall be distributed on a formula based on the following:

### FACTOR

Relative number of Economically Disadvantaged students enrolled in each LEA prior year to total enrolled in all LEAs prior year.

(c) Sex Equity

The State Board shall distribute the Federal Vocational Sex Equity funds to eligible recipients based upon competitive applications in accordance with criteria established by the State. Such criteria shall include but not be limited to, consideration for;

1. Economically depressed areas and areas with high rates of unemployment.
2. Programs, services and activities to eliminate sex bias and stereotyping in secondary vocational education, and/or
3. Vocational education programs, services and activities for females, ages 14 - 21 designed to enable the participants to support themselves, and/or
4. Support services for individuals participating in vocational education programs, services and activities which are designed to eliminate sex bias and stereotyping.

### TITLE II - PART B

1. Program Improvement/Guidance and Counseling  
The State Board shall distribute the Federal Vocational Improvement/Guidance and Counseling funds to LEAs on a formula which consist of the following:

<u>FACTORS</u>	<u>POINT VALUE</u>	
	Statewide Average	Percent
	<u>Below</u>	<u>Above</u>
(1) Concentration of Low Income Families	0-40	41-60
(2) Average Daily Membership in Grades 7 - 12	0-40	

(See Special Provisions for 1985-1986)

### TITLE III - PART B

1. Consumer Homemaking  
The State Board shall distribute the Federal Vocational Consumer Homemaking funds to LEAs on a formula which consist of the following:

<u>FACTORS</u>	<u>POINT VALUE</u>	
	Statewide Average	Percent
	<u>Below</u>	<u>Above</u>
(1) Concentration of Low Income Families	0-40	41-60
(2) Average Daily Membership in Grades 7 - 12	0-40	

B. Matching Funds

The State Board and the LEAs shall provide an overall state match to federal funds. The LEAs contribution will be determined based on their relative ability to pay.

C. Factor Descriptions

1. Total Disadvantaged Students

The total disadvantaged student is based on students eligible for free or reduced price school lunches as determined for Chapter II Funds.

2. Economically Depressed Area

This data is based upon the current Department of Commerce Census Study for Low Income Families. Priority is given to local recipients whose percent of low income families exceeds that of the statewide average as rated in the census data.

3. Relative Ability to Pay

County property tax valuation is obtained from the N. C. Department of Revenue, Tax Research Division. County population is obtained from the N. C. Department of Administration, Division of State Planning. County property tax valuation divided by county population equals tax valuation per capita. Points are allocated inversely so that the lowest tax value per capita receive 25 points and the highest tax value per capita receive 20 points with the others ranging between 20 and 25.

Special Provisions (Secondary)

1. Special Provision (State/Federal Months of Employment)

For the 1985-86 school year, each local recipient will receive its Part B, Program Improvement, Innovation, and Expansion funds in (state/federal) months-of-employment (MOE) consistent with the total number of MOEs received during the 1984-85 school year. These resources will be used in a manner necessary to provide for on-going activities and for an orderly transition in the 1986-87 school year to the operation of programs consistent with the requirements of the Carl D. Perkins Vocational Education Act.

This action is necessary to allow students enrolled in a sequenced program during 1984-85 school year to complete the full sequence of the program during 1985-86 school year.

(j) Formula Distribution of Funds - Postsecondary

The State Board of Community Colleges will allocate resources to eligible recipients based on the following:

Title II - Part A

(a) Set Asides

(1) Handicapped

The State Board shall distribute 50% of the handicapped funds to eligible recipients based on the number of economically disadvantaged individuals enrolled in each eligible recipient as compared to the total number of economically disadvantaged individuals enrolled in all eligible recipients within the State.

The State Board shall distribute 50% of the handicapped funds to eligible recipients based on the number of handicapped individuals served as compared to the total number of handicapped individuals served by all eligible recipients within the State.

(2) Disadvantaged

The State Board shall distribute 50% of the disadvantaged funds to eligible recipients based on the number of economically disadvantaged individuals enrolled in each eligible recipient as compared to the total number of economically disadvantaged individuals enrolled in all eligible recipients within the State.

The State Board shall distribute 50% of the disadvantaged funds to eligible recipients based on the number of disadvantaged individuals and individuals with the limited English proficiency served compared to the total number of disadvantaged individuals and individuals with limited English proficiency served by all eligible recipients within the State.

(3) Adult Training

The State Board shall distribute adult training funds to eligible recipients in proportion to their vocational/technical FTE as compared to the total vocational/technical FTE of all eligible recipients within the State.

(4) Single Parent

The State Board shall distribute single parent funds to eligible recipients in proportion to their vocational/technical FTE as compared to the total vocational/technical FTE of all eligible recipients within their areas.

(5) Sex Equity

The State Board shall distribute sex equity funds to eligible recipients based on the receipt and approval of a project proposal.



- (6) Corrections  
The State Board shall distribute correction funds to eligible recipients based on the receipt and approval of a project proposal.
- (b) Matching Funds  
The State Board shall distribute state funds to provide a 100% match to each eligible recipient receiving handicapped, disadvantaged, and adult training funds.
- (c) Factors (To determine distribution of funds)
  - (1) Economically depressed areas - Concentration of low income families within the area of each eligible recipient as compared to the State average of low income families within the area of all eligible recipients.
  - (2) FTE - 704 contact hours per year, per vocational/technical student.

### 3.06 METHODS OF ADMINISTRATION

- (a) The State will provide for such methods of administration as are necessary for the proper and efficient administration of the Act;
- (b) Designation of Full-Time Personnel to Eliminate Sex Bias  
The State Boards of Education and Community Colleges shall assign full time personnel to assist in fulfilling the purposes of the Act by:
  - (1) "Administering the program of vocational education for single parents and homemakers described in Title II A, Section 201(f) and the sex equity program described in Title IIA, Section 201(g);
  - (2) "Gathering, analyzing, and disseminating data on the adequacy and effectiveness of vocational education programs in the State in meeting the education and employment needs of women (including preparation for employment in technical occupations, new and emerging occupational fields, and occupations regarded as nontraditional for women), and on the status of men and women students and employees in such programs;
  - (3) "Reviewing vocational education programs (including career guidance and counseling) for sex stereotyping and sex bias, with particular attention to practices which tend to inhibit the entry of women in high technology occupations, and submitting (i) recommendations for inclusion in the State plan for programs and policies to overcome sex bias and sex stereotyping in such programs, and (ii) an assessment of the State's progress in meeting the purposes of this Act with regard to overcoming sex discrimination and sex stereotyping;
  - (4) "Reviewing proposed actions on grants, contracts, and the policies of the State board to ensure that the needs of women are addressed in the administration of this Act;
  - (5) "Developing recommendations for programs of information and outreach to women concerning vocational education and employment opportunities for women (including opportunities for careers as technicians and skilled workers in technical fields and new and emerging occupational fields);
  - (6) "Providing technical assistance and advice to local educational agencies, postsecondary institutions, and other interested parties in the State, in expanding vocational opportunities for women; and
  - (7) "Assisting administrators, instructors, and counselors in implementing programs and activities to increase access for women (including displaced homemakers and single heads of households) to vocational education and to increase male and female students' enrollment in nontraditional programs.

(c) Private Industry Council

The State Boards shall make available to each private industry council established under Section 102 of the Job Training Partnership Act within the State a listing of all programs assisted under the Act.

(d) Technical Committees

The State Board, in consultation with the State Council and the State Board of Community Colleges will establish two or more technical committees to advise the Board and the Council on the development of model curricula to address State labor market needs.

(1) Representation and Membership of the Committees

The membership of the committees will consist of individuals representative of employers from relevant industries, occupations, or professional organizations for which the committee is established.

(2) Terms of Membership

The term of membership for the members shall relate to the function and purpose of the committees as set forth in the Act.

(3) Functions of the Committees

- (A) Develop an inventory of skills that define state-of-the-art model curricula;
- (B) Identify, by the inventory of skills process, the type, level of knowledge, and skills needed for entry, retention, and advancement in occupational areas taught in the State.

(e) Rules and Policies

The imposition of any State rule or policy relating to the administration and operation of programs funded by this Act (including any rule or policy based on State interpretation of any Federal law, regulation, or guideline) shall be identified as a State imposed requirement.

(f) Transition Provisions

The State Board may expend funds received under the Carl D. Perkins Vocational Education Act or under the Vocational Education Act of 1963 for 1985 - 1986 to -

- (1) conduct planning for any program or activity authorized under the Carl D. Perkins Vocational Act; and
- (2) conduct any other activity deemed necessary to provide for an orderly transition to the operation of programs under the Carl D. Perkins Vocational Education Act.

(g) Assessment of Student Needs and Special Groups

(1) Methods of Assessment

The State Boards' will assess the needs of students and special populations by the following processes:

- (A) State and local planning
- (B) Curriculum development
- (C) Instructional guides
- (D) Personnel development
- (E) Fiscal allocations and its
- (F) Technical Assistance
- (G) Program reviews (evaluation)
- (H) Reporting
- (I) Sex equity coordination
- (J) Office of Civil Rights reviews

Special emphasis will be placed on technical assistance, sex equity and OCR reviews.

(h) Local Plan for Vocational Education - Secondary

The local plan for vocational education will contain four components, each with a separate function. Part I will contain assurances required for conducting quality vocational programs in LEAs for three years and compliance with the Carl D. Perkins Vocational Act, PL 98-524, and accompanying rules and regulations. Part II will contain a three year Vocational Improvement Plan (VIP). This three year plan will identify yearly improvements needed determined by relevant data-based assessments. Part III will contain the local annual application for federal funds. In it, each local education agency will set forth the vocational education programs, services and activities that the LEA proposes to fund the following year. Part III of the local plan will be updated annually. Part IV will contain the accountability report for those programs, activities and services proposed in the previous year's local plan.

(i) Distribution of Funds:  
Funds to Economically Depressed Areas

The State Boards shall require a local application from eligible recipients for all programs under Title II and III of the Act.

(a) Application from eligible recipients.

Each eligible recipient will prepare a local application (plan) covering FY 1986, 1987, and 1988 which shall reflect:

- (1) The vocational education programs, services, and activities proposed to be funded.
- (2) The coordination with relevant programs conducted under the Job Training Partnership Act and the Adult Education Act, to avoid duplication.

(3) The local application shall be available for review and comment by interested parties, including the appropriate administrative entity under the Job Training Partnership Act.

(b) Local application exemption.

The State Board's may exempt an eligible recipient from the requirement of providing a local application based on criteria described in 3.11 of this State Plan.

(c) Approval of local application.

The approval of the local application from eligible recipients will be based on the content of the application in relation to the requirements of the Act.

(d) Amendments to local applications.

The eligible recipients will amend or reaffirm the local application periodically based on State and/or local determinations.

(j) Progress Under OCR Vocational Education Guidelines of Assuring Equal Access for Handicapped/Disadvantaged

- (1) A Technical Assistance Manual for Civil Rights in Vocational Education and a copy of the Vocational Education program guideline through the Wednesday, March 21, 1979, Federal Register is provided for each eligible recipient.
- (2) The North Carolina State Board of Education does not operate any state vocational education programs or institutions but is committed to review any future state programs or institutions' operation.
- (3) Based on procedures specified in the North Carolina Method of Administration, 20 percent of the total number of eligible recipients in the state are selected each year for review (except eligible recipients pending federal or state litigation or those under recent or present OCR review). A rank is obtained from data collected and analyzed for the identified eligible recipients as specified in the MOA. On-site reviews are conducted on the seven (25 percent of the 20 percent selected) eligible recipients with the highest rank of potential problems.



- (4) Review of eligible recipients handicapped and disadvantaged accessibility issues reviewed has provided improvement/correction for concerns in the following areas:
- A. architectural or equipment barriers
  - B. need for related aids and services
  - C. academic requirements
  - D. employability opportunities
  - E. least restrictive environment based on evaluation, placement and procedural safeguards
  - F. counseling and prevocational programs
  - G. individual education plans
- (5) Other issues examined include, but are not limited to concerns for special populations. These include:
- A. distribution of funds, fee waiver policy and choice of vocational sites
  - B. orientation, recruitment, admission and placement processes and procedures
  - C. public notification of non-discrimination
  - D. access and treatment in cooperative programs
  - E. employment opportunities
- (6) When issues of non-compliance are found, an informal report and formal Letter of Findings is made to the eligible recipient. The eligible recipient must present a plan within 90 days for overcoming the non-compliance issues. One year later, acceptable evidences of compliance must be presented in a follow-up plan. A letter of acceptance is not granted by the state until all non-compliance issues have been satisfactorily resolved.

(k) Criteria For Services and Activities for the Handicapped and Disadvantaged

(1) Each local education agency will have the responsibility for ensuring that all handicapped and disadvantaged students have equal access to the full range of vocational opportunities provided for non-handicapped and non-disadvantaged individuals, including occupationally specific courses, cooperative education, and apprenticeship programs. The State will monitor all specialized activities and services to ensure that the following criteria are met:

(A) Proper procedures will be used to identify all disadvantaged and handicapped students in the school system at least one year before the student enters ninth grade.

(i) Handicapped students will be identified by the Division of Programs for Exceptional Children using criteria established in Rules and Regulations Governing Programs for Exceptional Children in North Carolina.

(ii) Disadvantaged students will be identified using criteria established in the Rules and Regulations for implementing the Carl D. Perkins Vocational Education Act.

(B) Adequate provisions will be made to assess the interest, ability, and special needs of each handicapped and disadvantaged student before the student enters ninth grade and in no event later than the beginning of the ninth grade. Follow-up assessment will be provided as needed for individual students.

(i) Each school system will establish vocational assessment activities utilizing a combination of diagnostic instruments designed to measure interest, academic development in relation to occupationally specific courses, vocational aptitude and learning potential and style.

(ii) Data collected and analyzed will be used to:

(a) Provide a clear picture of a student's needs and abilities so that a total career development program can be initiated.

(b) Recommend prevocational or remediation training.

(c) Recommend appropriate placement in vocational education programs and suggest useful teaching techniques and needed support services.

(d) Suggest appropriate job placement.

(e) Identify realistic obtainable skills.

- (f) Provide the student with vocational information and counseling concerning abilities to facilitate a step-by-step transitional plan development.
  - (iii) Local education agencies have the responsibility for evaluating assessment instruments and determining which systems will best meet their needs.
  - (iv) Local education agencies may elect to establish a vocational assessment center within each school or unit or contract services through Community Based Organizations or Vocational Rehabilitation Units to provide effective and efficient services and activities.
- (C) Adequate supplemental services must be provided which will ensure that handicapped, disadvantaged, and limited English-proficient students achieve at least the minimum vocational competencies necessary for entry-level employment in their communities. Supplemental services and activities may include the following:
- (i) Additional instruction in occupationally specific courses;
  - (ii) Basic skills remediation, if necessary in order for the student to achieve minimum vocational competencies and access to vocational training. Any basic skills remediation is subject to State Board approval;
  - (iii) Curriculum development/modification and equipment adaptation;
  - (iv) In-service training for vocational teachers;
  - (v) Placement services for students who have successfully completed vocational training;
  - (vi) Follow-up support for handicapped students as needed after graduation;
  - (vii) Additional counseling services to improve work behavior, attitudes, and habits;
  - (viii) Coordination of cooperative and internship strategies and apprenticeships in conjunction with the vocational program in which the student is enrolled.
- (D) All supplemental services and activities for handicapped students will be provided in the least restrictive environment in accordance with section 612 (5)(B) of the Education of the Handicapped Act and will be included as a component of the Individualized Education Plan.

- (E) Adequate provisions will be made to implement counseling and career development activities that will facilitate the transition from school to post-school employment.
  - (i) Counseling services will be provided in accordance with the assessment criteria identified in (B)(ii)(c)(d)(e)(f), and supplemental services criteria identified in (C)(v)(vi)(vii).
  - (ii) All counseling activities will be provided by appropriately certified personnel.
- (F) Disadvantaged and handicapped students and their parents will receive information about all vocational education opportunities, and program admission procedures before the student enters the grade level programs are first generally available in the State, but in no case later than the beginning of the ninth grade.
  - (i) Program admission procedures will be:
    - (a) stated in clear, understandable language;
    - (b) consistent with standards described in the Vocational Education Program of Studies, Revised;
    - (c) validated as non-discriminating against students of a particular race, color, sex, handicap, or limited English proficiency;
    - (d) include validated screening mechanisms;
    - (e) develop in cooperation with vocational teachers, special education teachers, local administrators, and counselors.
  - (ii) All disadvantaged and handicapped students will be provided the preceding information through an orientation session, individual conferences, and/or written materials.
  - (iii) All parents of handicapped and disadvantaged student will be provided such information through written communication and/or individual conferences.

### 3.07 JOINT PLANNING AND COORDINATION WITH OTHER AGENCIES

The State Board will appoint a committee to expedite the planning and coordination requirements set forth in Section 113(b)(10) of the Act. The committee entitled "The State Vocational Education Planning and Coordination Committee" will meet two or more times annually to carry out it's functions.

#### (a) Representation and Membership of the Committee

The committee membership will consist of individuals who possess administrative authority/decision making positions he or she represents in the following agencies:

- (1) Job Training Partnership Act - N. C. Department of Natural Resources and Community Development, Division of Employment and Training;
- (2) Adult Education Act - N. C. Department of Community Colleges, Continuing Education Services;
- (3) Elementary and Secondary Education Act of 1965 - N. C. Department of Public Instruction;
- (4) Education of the Handicapped Act - N. C. Department of Public Instruction, Division of Exceptional Children;
- (5) Rehabilitation Act of 1973 - N. C. Department of Human Resources, Division of Vocational Rehabilitation;
- (6) Apprenticeship - N. C. Department of Labor, Division of Education and Training;
- (7) Adult Correction - N. C. Department of Correction;
- (8) Youthful Offenders - N. C. Department of Human Resources, Division of Youth Services;
- (9) Sex Equity - N. C. Department of Administration, Council on the Status of Women;
- (10) Industry - N. C. Department of Commerce, Industrial Development;
- (11) Labor Market - N. C. Department of Commerce, Employment Security Commission, State Occupational Information Coordinating Committee;
- (12) State Council on Vocational Education.

#### (b) Terms of Membership

The term of membership for each member will be three years. Membership will be rotating. Therefore, the initial term of membership will be determined at the first meeting by lottery. Those drawing numbers 1 - 4 will serve for three years. Those drawing numbers 5 - 8 will serve for two years. Those drawing numbers 9 - 12 will serve for one year. Each appointment thereafter will serve for three years. The Agency, Department, Division, or Council will recommend the replacement when a member's term expires.



(c) Functions of the Committee

- (1) Assist the State Board to implement the purpose of the Carl D. Perkins Vocational Education Act, PL 98-524.
- (2) Provide assistance for developing funding procedures to ensure maximum utilization of resources for providing services and activities to eligible recipients.
- (3) Recommend coordination techniques which will prevent duplication of effort with other boards, agencies, councils, groups or individuals.
- (4) Provide assistance in the development of policies and procedures that will ensure improvement, expansion and evaluation of programs in relation to the individual needs of participants and the employment needs of the State.
- (5) Recommend procedures/strategies that will ensure the provision of services and activities to individuals without regard to race, sex, national origin or handicapping condition.
- (6) Provide assistance in the identification of labor market needs in existing, expanding and new occupations and the job skills required to meet those needs.
- (7) Provide assistance in the identification of other education/training programs outside the purview of secondary and postsecondary education.
- (8) Provide assistance in the identification of techniques/strategies to improve services and activities for disadvantaged, handicapped, and limited English proficiency individuals.
- (9) Provide assistance in the identification of techniques/strategies to improve services and activities for single parents and homemakers and to overcome sex bias and stereotyping in employment and training.
- (10) Provide assistance in the identification of techniques/strategies to improve services and activities for adults in need of training and retraining.
- (11) Provide assistance in the identification of techniques/strategies to improve services and activities for criminal offenders in correctional institutions.

### 3.08 COMMENTS ON PLAN BY STATE LEGISLATURE

The State Board will submit the State Plan for Vocational Education to the State legislature by March 1, for review and comments. Comments by the State legislature which are not addressed in the State Plan will be submitted with the plan to the Secretary. (See Appendix \_\_\_\_).

### 3.09 COMMENTS ON PLAN BY STATE JOB TRAINING COORDINATING COUNCIL

The State Board will submit the State Plan for Vocational Education to the State Job Training Coordinating Council by March 1, for review and comment. Comments by the State Job Training Coordinating Council which are not addressed in the State plan will be submitted with the plan to the Secretary. (See Appendix \_\_\_\_).

### 3.10 COMMENTS ON PLAN BY STATE COUNCIL ON VOCATIONAL EDUCATION

The State Board will submit the State Plan for Vocational Education to the State Council on Vocational Education by March 1, for review and comment. Comments by the State Council on Vocational Education and the State Board responses will be submitted with the plan to the Secretary. (See Appendix \_\_\_\_).

### 3.11 EXCEPTIONS TO SUBMITTING LOCAL APPLICATIONS

- (a) Secondary - See Section 3.05 of this plan.
- (b) The State Board of Community Colleges may exempt an eligible recipient from the requirement of providing a local application if the following criteria is met:
  - (1) A relatively few vocational education programs, services, and activities are provided, and
  - (2) A limited total amount (less than \$1,000.00) of Federal and State funds are provided.

### 3.12 PROGRAMS FOR DISLOCATED WORKERS

The coordination of vocational education programs, services and activities with the programs of assistance for dislocated workers funded under Title III of the Job Training Partnership Act will be accomplished through the functioning of the committee described in Sec. 3.07 of the Plan and through the services and activities of the staffs of vocational education, State Job Training Coordinating Council and Employment Security Commission.

### 3.13 DESCRIPTION OF PROGRESS

A description of the progress the State has made in achieving the goals set forth in each State plan subsequent to the initial 3-Year State plan will be completed and included in subsequent state plans.

### 3.14 CRITERIA USED TO DESIGNATE ECONOMICALLY DEPRESSED AREAS

The State has used the percent of low income families by county to determine economically depressed areas. Those counties designated as economically depressed are the counties in which the ratio of low income families is larger than the average ratio for the State. The latest available census data was used in the development of the criteria.

## APPENDICES

### Exhibit 1

Cooperative Agreement Between the State Board of Education and the State Board of Community Colleges.

### Exhibit 2

Definitions of Terms Used in the Act.

### Exhibit 3

Comments and Responses; Public Hearings (1984).

### Exhibit 4

Comments and Responses; State Council on Vocational Education.

### Exhibit 5

Comments and Responses; State Job Training Coordinating Council.

### Exhibit 6

Comments and Responses; State Legislature.

AGREEMENT  
BETWEEN  
THE NORTH CAROLINA STATE BOARD OF EDUCATION  
(THE STATE BOARD OF VOCATIONAL EDUCATION)  
AND  
THE STATE BOARD OF COMMUNITY COLLEGES

Pursuant to Section 111 of P. L. 98-524 (The Carl D. Perkins Vocational Education Act) the State Board of Education is authorized to delegate responsibilities for the administration and operation of federally funded vocational education programs to other state agencies.

Pursuant to this Agreement between the State Board of Education and the State Board of Community Colleges, the State Board of Education shall direct its Controller's Office, to allocate certain federal vocational education funds to the State Board of Community Colleges. These funds shall be allocated pursuant to the resolution adopted by the State Board of Education at its March, 1980 meeting and pursuant to Section 115C-15B of the General Statutes of North Carolina.

The State Board of Education, through its Controller's Office, agrees to reimburse the State Board of Community Colleges for the expenditure of funds eligible for reimbursement from federal sources and in accordance with the resolution referenced in paragraph two above. Reimbursement will be made upon written documentation from the State Board of Community Colleges verifying the expenditures of said funds and will be contingent upon the availability of federal funds to the State Board of Education.

The State Board of Community Colleges, through the Department of Community Colleges, and its State President makes the following assurances;

- (1) That the operation of those postsecondary and adult vocational and technical programs, services and activities under its jurisdiction and exclusive of the vocational programs provided by or through the public school system and which are funded with federal vocational education funds shall be planned, implemented, administered, supervised, and conducted pursuant to the General Statutes of North Carolina, the North Carolina State Plan for Vocational Education, P. L. 98-524, and applicable federal rules and regulations.
- (2) That the State Board of Community Colleges, through the Department of Community Colleges, shall develop the postsecondary portion of the State Plan for Vocational Education and shall provide other required reports in adequate numbers at such times as may be required by P. L. 98-524.



The State Board of Education will insure that its Controller's Office and Division of Vocational Education will provide to the Department of Community Colleges such coordination as may be appropriate and/or required to comply with the General Statutes of North Carolina, the North Carolina State Plan for Vocational Education and P. L. 98-524.

The State Board of Education and the State Board of Community Colleges agree to cooperate in fulfilling the responsibilities and requirements involved in utilizing the federal vocational education funds referenced in this Agreement.

The effective date of this Agreement will be July 1, 1985 through June 30, 1988.

For the State Board of Community Colleges

\_\_\_\_\_  
Date                      Chairman, North Carolina State Board of Community Colleges

\_\_\_\_\_  
Date                      State President, North Carolina Department of Community Colleges

For the State Board of Education

\_\_\_\_\_  
Date                      Chairman, North Carolina State Board of Education

\_\_\_\_\_  
Date                      State Superintendent of Public Instruction

## Definitions

(1) The term 'administration' means activities of a State necessary for the proper and efficient performance of its duties under this Act, including supervision, but does not include curriculum development activities, personnel development, technical assistance, or research activities.

(2) The term 'apprenticeship training program' means a program registered with the Department of Labor or the State apprenticeship agency in accordance with the Act of August 16, 1937, known as the National Apprenticeship Act, which is conducted or sponsored by an employer, a group of employers, or a joint apprenticeship committee representing both employers and a union, and which contains all terms and conditions for the qualification, recruitment, selection, employment, and training of apprentices.

(3) The term 'area vocational education school' means -

"(A) a specialized high school used exclusively or principally for the provision of vocational education to individuals who are available for study in preparation for entering the labor market;

"(B) the department of a high school exclusively or principally used for providing vocational education in no less than five different occupational fields to individuals who are available for study in preparation for entering the labor market;

"(C) a technical institute or vocational school used exclusively or principally for the provision of vocational education to individuals who have completed or left high school and are available for study in preparation for entering the labor market; or

"(D) the department or division of a junior college or community college or university operating under the policies of the State board and which provides vocational education in no less than five different occupational fields leading to immediate employment but not necessarily leading to a baccalaureate degree, if, in the case of a school, department, or division described in subparagraph (C) or this subparagraph, it admits as regular students both individuals who have completed high school and individuals who have left high school.

(4) The term 'career guidance and counseling' means those programs (A) which pertain to the body of subject matter and related techniques and methods organized for the development in individuals of career awareness, career planning, career decisionmaking, placement skills, and knowledge and understanding of local, State, and national occupational, educational, and labor market needs, trends, and opportunities, and (B) which assist them in making and implementing informed educational and occupational choices.

(5) The term 'community-based organization' means any such organization of demonstrated effectiveness described in section 4(5) of the Job Training Partnership Act.

(6) The term 'construction' includes construction of new buildings and acquisition, and expansion, remodeling, and alteration of existing buildings, and includes site grading and improvement and architect fees.

(7) The term 'cooperative education' means a method of instruction of vocational education for individuals who, through written cooperative arrangements between the school and employers, receive instruction, including required academic courses and related vocational instruction by alternation of study in school with a job in any occupational field, but the two experiences must be planned and supervised by the school and employers so that each contributes to the student's education and to his or her employability. Work periods and school attendance may be on alternate half days, full days, weeks, or other periods of time in fulfilling the cooperative program.

- (8) The term 'criminal offender' means any individual who is charged with or convicted of any criminal offense, including a youth offender or a juvenile offender.
- (9) The term 'correctional institution' means any -
- "(A) prison,
  - "(B) jail,
  - "(C) reformatory,
  - "(D) work farm,
  - "(E) detention center, or
  - "(F) halfway house, community-based rehabilitation center or, any other similar institution designed for the confinement or rehabilitation of criminal offenders.
- (10) The term 'council' means the National Council on Vocational Education.
- (11) The term 'curriculum materials' means instructional and related or supportive material, including materials using advanced learning technology, in any occupational field which is designed to strengthen the academic foundation and prepare individuals for employment at the entry level or to upgrade occupational competencies of those previously or presently employed in any occupational field, and appropriate counseling and guidance material.
- (12) The term 'disadvantaged' means individuals (other than handicapped individuals) who have economic or academic disadvantages and who require special services and assistance in order to enable them to succeed in vocational education programs. Such term includes individuals who are members of economically disadvantaged families, migrants, individuals who have limited English proficiency and individuals who are dropouts from, or who are identified as potential dropouts from secondary school.
- (13) The term 'economically depressed area' means an economically integrated area within any State in which a chronically low level of economic activity or a deteriorating economic base has caused such adverse effects as (A) a rate of unemployment which has exceeded by 50 per centum or more the average rate of unemployment in the State, or in the Nation, for each of the three years preceding the year for which such designation is made, or (B) a large concentration of low-income families, and for which such designation for the purposes of this Act is approved by the Secretary as consistent with these and such other criteria as may be prescribed, and with the purposes of this Act.
- (14) The term 'eligible recipient' means a local educational agency or a post-secondary educational institution.
- (15) The term 'handicapped,' when applied to individuals, means individuals who are mentally retarded, hard of hearing, deaf, speech impaired, visually handicapped, seriously emotionally disturbed, orthopedically impaired, or other health impaired persons, or persons with specific learning disabilities, who by reason thereof require special education and related services, and who, because of their handicapping condition, cannot succeed in the regular vocational education program without special education assistance.
- (16) the term 'high technology' means state-of-the-art computer, microelectronic, hydraulic, pneumatic, laser, nuclear, chemical, telecommunication, and other technologies being used to enhance productivity in manufacturing, communication, transportation, agriculture, mining, energy, commercial, and similar economic activity, and to improve the provision of health care.



(17) The term 'homemaker' means an individual who -

"(A) is an adult, and

"(B) has worked as an adult primarily without remuneration to care for the family, and for that reason has diminished marketable skills.

The Secretary may not prescribe the manner in which the States will comply with the application of the definition contained in this paragraph.

(18) The term 'limited English proficiency' has the meaning given such term in section 703(a)(1) of the Elementary and Secondary Education Act of 1965.

(19) The term 'local educational agency' means a board of education or other legally constituted local school authority having administrative control and direction of public elementary or secondary schools in a city, county, township, school district, or political subdivision in a State, or any other public educational institution or agency having administrative control and direction of a vocational education program.

(20) The term 'economically disadvantaged family or individual' means such families or individuals who are determined by the Secretary to be low-income according to the latest available data from the Department of Commerce.

(21) The term 'postsecondary educational institution' means an institution legally authorized to provide postsecondary education within a State, or any postsecondary educational institution operated by or on behalf of any Indian Tribe which is eligible to contract with the Secretary of the Interior for the administration of programs under the Indian Self-Determination Act or under the Act of April 16, 1934.

(22) The term 'private vocational training institution' means a business or trade school, or technical institution or other technical or vocational school, in any State, which (A) admits as regular students only persons who have completed or left elementary or secondary school and who have the ability to benefit from the training offered by such institution; (B) is legally authorized to provide, and provides within that State, a program of postsecondary vocational or technical education designed to fit individuals for useful employment in recognized occupations; (C) has been in existence for two years or has been specially accredited by the Secretary as an institution meeting the other requirements of this subsection; and (D) is accredited (i) by a nationally recognized accrediting agency or association listed by the Secretary pursuant to this clause, or (ii) if the Secretary determines that there is no nationally recognized accrediting agency or association qualified to accredit schools of a particular category, by a State agency listed by the Secretary pursuant to this clause, or (iii) if the Secretary determines that there is no nationally recognized or State agency or association qualified to accredit schools of a particular category, by an advisory committee appointed by the Secretary and composed of persons specially qualified to evaluate training provided by schools of that category, which committee shall prescribe the standards of content, scope, and quality which must be met by those schools and shall also determine whether particular schools meet those standards. For the purpose of this paragraph, the Secretary shall publish a list of nationally recognized accrediting agencies or associations and State agencies which the Secretary determines to be reliable authority as to the quality of education or training afforded.

(23) The term 'school facilities' means classrooms and related facilities (including initial equipment) and interests in lands on which such facilities are constructed. Such term shall not include any facility intended primarily for events for which admission is to be charged to the general public.

(24) The term 'Secretary' means the Secretary of Education.

- (25) The term 'single parent' means an individual who -  
"(A) is unmarried or legally separated from a spouse, and  
"(B) has a minor child or children for which the parent has either custody or joint custody.
- (26) The term 'small business' means for-profit enterprises employing five hundred or fewer employees.
- (27) The term 'State' includes, in addition to the several States, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa, the Northern Mariana Islands, and the Trust Territory of the Pacific Islands.
- (28) The term 'State board' means a State board designated or created by State law as the sole State agency responsible for the administration of vocational education, or for supervision of the administration of vocational education in the State.
- (29) The term 'State council' means the State council on vocational education established in accordance with section 112.
- (30) The term 'State educational agency' means the State board of education or other agency or officer primarily responsible for the State supervision of public elementary or secondary schools, or, if there is no such officer or agency, an officer or agency designated by the Governor or by State law.
- (31) The term 'vocational education' means organized educational programs which are directly related to the preparation of individuals in paid or unpaid employment in such fields as agriculture, business occupations, home economics, health occupations, marketing and distributive occupations, technical and emerging occupations, modern industrial and agriculture arts, and trades and industrial occupation, or for additional preparation for a career in such fields, and in other occupations requiring other than a baccalaureate or advanced degree and vocational student organization activities as an integral part of the program; and for purposes of this paragraph, the term 'organized education program' means only (A) instruction (including career guidance and counseling) related to the occupation or occupations for which the students are in training or instruction necessary for students to benefit from such training, and (B) the acquisition (including leasing), maintenance, and repair of instructional equipment, supplies, and teaching aids; but the terms do not mean the construction, acquisition, or initial equipment of buildings, or the acquisition or rental of land.
- (32) The term 'vocational student organizations' means those organizations for individuals enrolled in vocational education programs which engage in activities as an integral part of the instruction program. Such organizations may have State and national units which aggregate the work and purposes of instruction in vocational education at the local level.



## PUBLIC HEARINGS:

Public Hearings on the North Carolina State Plan for Vocational Education, FY 1986 - 1987 - 1988, and the Accountability Report for FY 1984 were conducted in accordance with Section 113 (a)(2)(B) of the Act. The hearings were conducted on the following dates, at times and locations in the state as follows:

October 29, 1984 3:30 pm - 5:30 pm	Kinston High School 2601 N. Queen Street Kinston, NC 28501
October 30, 1984 2:00 pm - 4:00 pm	P. J. Weaver Education Center 300 S. Spring Street Greensboro, NC 27401
November 7, 1984 3:30 pm - 5:30 pm	McDowell Technical Institute Route 1, Box 170 Marion, NC 28752

Fifty one (51) individuals from business, industry, associations, and education attended the public hearings. Their pertinent comments and State Board responses follow.

COMMENTS AND RESPONSES  
PUBLIC HEARINGS ON THE FY 1986 PROGRAM PLAN  
AND THE FY 1984 ACCOUNTABILITY REPORT

COMMENT NO. 1 - Why can't those students classified as handicapped by the division of exceptional children be classified as disadvantaged also in the secondary schools.

RESPONSE:

The definition of "disadvantaged" under Section 521 (12) of the Act precludes classifying those students identified as handicapped by the division of exceptional children from being classified as disadvantaged in the secondary schools.

(12) The Term "disadvantaged" means individuals (other than handicapped individuals) who have economic or academic disadvantages and who require special services and assistance in order to enable them to succeed in vocational education programs. Such term includes individuals who are members of economically disadvantaged families, migrants, individuals who have limited English proficiency and individuals who are dropouts from, or who are identified as potential dropouts from, secondary school.

COMMENT NO. 2 - If vocational student organizations are an integral part of the vocational program why are funds not provided for student's meals and lodging at district and state leadership functions.

RESPONSE:

The State Board is committed to providing financial assistance to vocational student organization activities as an integral part of the vocational education program. Federal regulations do not currently include lodging and feeding as eligible uses of federal resources.

COMMENT NO. 3 - When will we achieve full funding for vocational education in the secondary schools of North Carolina?

RESPONSE:

The State Board of Education has established a long range plan for securing full state funding of secondary vocational education. The Board will continue to vigorously seek the funds from the General Assembly to achieve this goal.

COMMENT NO. 4 - A commenter expressed concern over the support for the associate degree program in the Community Colleges by the State Board in light of the potential of this program to enhance the competencies of skill development, non-degree teachers and improvement of their certification credentials.

RESPONSE:

The State Board reaffirms its support for all education/training programs at all levels that contribute to the acquisition of competencies and improvement of instructional personnel in the secondary schools.

COMMENT NO. 5 - A participant requested that the State Plan for Vocational Education include the definition of terms that speak to the important elements of the Plan and special populations to be served.

RESPONSE:

The State Board accepts this recommendation and directs staff to include such information in the current State Plan for vocational education.