

OFFICE OF VOCATIONAL EDUCATION AND WORKFORCE DEVELOPMENT

Career and technical education programs administered by the Office of Vocational Education and Workforce Development (OVE&WD) prepare all students for new jobs, roles, technologies, and responsibilities in order to develop a competent workforce to support and enhance Mississippi's economy. The delivery system is effective and responsive to changing needs of business and industry. OVE&WD programs are part of an integrated educational delivery system that accommodates every secondary and postsecondary school district and provided instructional services to 182,694 Mississippians last year.

Career and technical programs in secondary, postsecondary, short-term adult, industry training, and business and industry partnership settings, enable students to acquire needed skills and abilities and achieve their educational and occupational goals. Programs include: Agriculture, Family & Consumer Sciences, Marketing, Trade and Industrial Education, Cooperative Education, Health, Technical Education, Business Education, Science and Technology, and Short Term Adult Programs to meet local needs.

Secondary Programs

Two hundred forty-four (244) Career Discovery programs introduced 31,007 seventh grade students to career opportunities and the skills needed to develop and implement individual student career/educational plans that reflect student aptitudes, interests, and abilities. The programs provide experiences and activities that promote self-awareness, career exploration, and educational planning related to student's educational and occupational plans.

Two hundred fifty (250) Computer Discovery programs exposed 31,088 eighth grade students to a multimedia environment in which they developed computer skills, keyboarding, using operating systems (Windows), and file management. Real-world applications in word processing, graphics, databases, telecommunications, spreadsheets, and desktop publishing make the course exciting, relevant, and challenging.

One hundred ninety-eight (198) Technology Discovery programs enabled 26,547 ninth grade students to explore technology resources, processes, and systems that lead to enhanced career development and advanced education. Students learned through researching, visualizing, modeling, designing, simulating, prototyping, keeping journals, preparing and making presentations and demonstrations, problem-solving, role-playing, and testing.

The comprehensive career planning/counseling component of Tech Prep organizes and expands career development strategies, activities, and experiences and assists all students in making realistic, achievable career plans. The career plans initiated in the seventh grade and updated annually through the twelfth grade help keep students focused on their goals.

Forty-five (45) Introduction to Agriculture Science programs served 1,343 students.

Two hundred eighteen (218) Family and Consumer Sciences Programs funded through H.B. 1467 served 27,362 unduplicated students. Approximately 13,600 of these students enrolled in more than one of the course offerings that included Family Dynamics in 9th through 12th grades and other, optional, courses such as Child Development, Family/Individual Health, Family Living & Parenthood, Foods & Nutrition, Nutrition & Wellness, Personal Development, and Resource Management. Total (duplicated) enrollment for Family and Consumer Science courses was over 41,000 students.

Forty-one (41) Technology Applications programs served eight hundred ninety-eight (898) students.

Secondary occupational programs provide for the development of essential, program area specific, occupational, and entrepreneurial skills for students in grades ten through twelve. Instruction in these programs incorporates structured learning activities that integrate vocational and academic objectives. Upon program completion, individuals possess marketable job skills and may enter the workforce or pursue postsecondary education, in directly related or indirectly related occupational and technical areas with possibilities for advanced placement, or other postsecondary offerings. One thousand eighty-one (1,081) secondary occupational programs served twenty-nine thousand one hundred thirty-seven (29,137) students.

Secondary Occupational Programs and Enrollments

In Classification of Instructional Programs (CIP) Code Numerical Order

CIP Code	Program Name	# of Programs	Enrollment
000204	COOPERATIVE EDUCATION	76	2211
000263	BASIC VOC BUSINESS AND COMMERCE	1	48
010000	AGRICULTURE, GENERAL	24	562
010001	INTRODUCTION TO AGRISCIENCE	45	1343
010002	CONCEPTS OF AGRICULTURAL SCIENCE	48	1768
010003	AGRICULTURE AND NATURAL RESOURCES	5	69
010101	AGRICULTURAL BUSINESS & MGMT.- GENE	6	91
010103	AGBUSINESS & ENTREPRENEURSHIP(AEST)	44	271
010204	AGRICULTURAL POWER MACHINERY OPERATIONS	18	454
010205	AGRICULTURAL MECHANICS & EQUIPMENT	11	168
010301	AGRICULTURAL PRODUCTION WORKERS & MANAGERS	31	613
010303	AQUACULTURE OPERATIONS & PROD MGMT.	1	41
010401	AG & FOOD PRODUCTS PROCESSING	2	63
010601	HORTICULTURE SERVICE OP & MGMT.- GE	6	129
010699	CUSTODIAN/GROUNDSKEEPER	1	9
010901	ANIMAL SCIENCES, GENERAL	18	250
011101	PLANT SCIENCES, GENERAL	38	388
030104	ENVIRONMENTAL SCIENCE	29	279
030401	FOREST HARVESTING & PRODUCTION TECHNOLOGY.	11	238
100202	RADIO/TELEVISION BROADCASTING TECHNOLOGY	1	21
100305	GRAPHIC & PRINTING EQUIP. OPERATOR	6	114
110201	COMPUTER PROGRAMMING/PROGRAMMER	1	31
119999	INTEGRATED COMPUTER TECHNOLOGY	1	8
120401	COSMETOLOGY/COSMETOLOGIST, GENERAL	2	51
120500	COOKING & RELATED CULINARY ARTS	33	1125
140101	TECHONOLOGY AND ENGINEERING PRINCIPLES	2	270
150607	PLASTICS ENGINEERING TECHNOLOGY	4	83
151202	COMPUTER TECHNOLOGY/COMPUTER SYSTEM	11	270
151301	DRAFTING & DESIGN TECHNOLOGY	21	424

151302	CAD/COMPUTER AIDED DESIGN	1	4
151303	ARCHITECTURAL DESIGN	1	8
151399	ARCHITECTURAL DRAWING	1	34
190702	ADULT DEVELOPMENT AND AGING	1	15
190709	CHILD CARE PROVIDER/ASSISTANT	40	1280
190901	APPAREL AND TEXTILES, GENERAL	15	428
460000	CONSTRUCTION TRADES, GENERAL	69	1824
460101	MASON & TILE SETTER	9	158
460201	CARPENTER	15	381
460302	ELECTRICIAN	8	169
470101	ELECTRICAL/ELECTRONICS EQPT. INSTALLER	7	131
470201	HEATING & AIR CONDITIONING & REFRIGERATION	4	77
470303	INDUSTRIAL MECHANICS & MAINTENANCE TECHNOLOGY	6	116
470603	AUTO/AUTOMOTIVE BODY REPAIRER	17	574
470604	AUTO/AUTOMOTIVE MECHANIC/TECHNOLOGY	64	1952
470605	DIESEL EQUIPMENT REPAIR & SERVICES	2	45
470606	SMALL ENGINE MECHANIC & REPAIRER	2	43
470692	OUTBOARD ENGINE MECHANICS	1	26
470699	VEHICLE & MOBILE EQUIP. MECHANICS	13	364
480503	MACHINE SHOP ASSISTANT	4	75
480508	WELDER/WELDING TECHNOLOGIST	18	511
480590	METAL TRADES	43	1065
480702	FURNITURE DESIGN & MANUFACTURING	4	77
500402	GRAPHIC DEISGN- COMMERCIAL ART	3	87
510000	HEALTH SERVICES/ALLIED HEALTH, GEN.	94	3637
520407	BUSINESS/OFFICE AUTOMATION TECHNOLOGY	103	3037
520408	BUSINESS COMPUTER APPLICATIONS	1	131
520801	BUSINESS FINANCE AND CONSUMER TECHNOLOGY	1	112
520901	HOSPITALITY ADMINISTRATION/MANAGEMT	4	124
521801	SALES, DISTRIBUTION & MARKETING OPN	33	1260
Totals		1081	29137

The data presented above were collected by OVE&WD as Final Vocational Program Enrollment data for the 2006-2007 school year. The Classification of Instructional Programs (CIP) codes were initially developed by the U. S. Department of Education (USDE) National Center for Education Statistics (NCES) in 1980 and were revised in 1985 and 1990. Major changes have been made in the CIP-2000 revision. The implementation of the changes is incomplete at present and therefore correlated demand data for vocational-technical courses is not currently available. Care should be exercised in the use of these data for decision-making purposes. If more information is needed, please contact the Office of Vocational Education and Workforce Development.

Postsecondary Programs

Postsecondary programs provide beginning, advanced, and technical, program area specific, occupational and entrepreneurial preparation for skilled/technical occupations. These programs reflect current and emerging technologies and address the needs of industry and other employers. State-of-the-art technology used in industry and integrated academic components are incorporated in the curriculum. Upon completion of a postsecondary occupational program, individuals are prepared to enter skilled/technical level occupations. In FY2006, 495 postsecondary programs served twenty two thousand five hundred sixty-five (22,565) students.

Postsecondary Occupational Programs and Enrollments In Classification of Instructional Programs (CIP) Code Numerical Order

CIP Code	Program Name	# of Programs	Enrollment
010102	AGRIBUSINESS/AGRICULTURAL BUSINESS	3	92
010299	AGRICULTURE MECHANIZATION, OTHER	2	40
010302	ANIMAL/LIVESTOCK HUSBANDRY AND PROD	2	22
010601	APPLIED HORTICULTURE/HORTICULTURE	4	118
010605	LANDSCAPING AND GROUNDSKEEPING	2	62
010607	TURF AND TURFGRASS MANAGEMENT	1	10
011105	PLANT PROTECTION AND INTEGRATED PEST MANAGEMENT	1	9
030511	FOREST TECHNOLOGY	5	185
100202	RADIO AND TELEVISION BROADCASTING TECHNOLOGY	1	14
100305	GRAPHIC AND PRINTING EQUIPMENT OPERATOR, GENERAL PRODUCTION	2	31
110201	COMPUTER PROGRAMMING, GENERAL	10	1061
110802	DATA MODELING/WAREHOUSING AND DATABASE ADMINISTRATION	1	36
110901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS	14	937
111004	WEB/MULTIMEDIA MANAGEMENT AND WEBMASTER	3	146
120301	FUNERAL SERVICE AND MORTUARY SCIENCE	4	167
120401	COSMETOLOGY, GENERAL	13	525
120402	BARBERING	4	157
120413	COSMETOLOGY, BARBER/STYLING, AND NAIL INSTRUCTOR	1	52
120500	COOKING AND RELATED CULINARY ARTS,	6	178
120506	MEAT CUTTING	2	36
150101	ARCHITECTURAL ENGINEERING TECHNOLOGY	5	87
150201	CIVIL ENGINEERING TECHNOLOGY	3	60
150303	ELECTRICAL, ELECTRONIC AND COMMUNICATIONS ENGINEERING TECHNOLOGY	19	842
150305	TELECOMMUNICATIONS TECHNOLOGY	3	84
150507	ENVIRONMENTAL ENGINEERING TECHNOLOGY/ENVIRONMENTAL TECHNOLOGY	2	17

150612	INDUSTRIAL ENGINEERING TECHNOLOGY	3	49
150613	MANUFACTURING TECHNOLOGY	6	136
151001	CONSTRUCTION ENGINEERING TECHNOLOGY	5	120
151301	DRAFTING AND DESIGN TECHNOLOGY	17	922
160699	INDUSTRIAL PRODUCTION TECHNOLOGY	1	84
190709	CHILD CARE PROVIDER/ASSISTANT	15	1007
190905	APPAREL AND TEXTILE MARKETING MANAGEMENT	1	28
220302	LEGAL ASSISTANT/PARALEGAL	8	392
460101	MASONRY	4	88
460201	CARPENTRY	7	196
460302	ELECTRICIAN	11	584
460502	PIPEFITTING AND SPRINKLER FITTER	1	30
460503	PLUMBING TECHNOLOGY	1	10
460504	WELL DRILLING	1	35
470103	COMMUNICATIONS SYSTEMS INSTALLATION	2	21
470104	COMPUTER INSTALLATION AND REPAIR TECHNOLOGY	4	130
470201	HEATING, AIR, VENTILATION & REFRIGERATION MAINTENANCE TECHNOLOGY	14	417
470303	INDUSTRIAL MECHANICS AND MAINTENANCE TECHNOLOGY	7	113
470408	WATCHMAKING AND JEWELRYMAKING	1	32
470603	AUTOBODY/COLLISION AND REPAIR TECHNOLOGY	9	248
470604	AUTOMOBILE/AUTOMOTIVE MECHANICS TECHNOLOGY	15	400
470605	DIESEL MECHANICS TECHNOLOGY	5	95
470607	AIRFRAME MECHANICS AND AIRCRAFT MAINTENANCE TECHNOLOGY	2	14
470615	ENGINE MACHINIST	3	57
470906	AVIONICS MAINTENANCE TECHNOLOGY	1	25
479999	MECHANIC AND REPAIR TECHNOLOGIES	1	29
480501	MACHINE TOOL TECHNOLOGY	12	236
480506	SHEET METAL TECHNOLOGY	1	24
480507	TOOL AND DIE TECHNOLOGY	3	55
480508	WELDING TECHNOLOGY	18	500
490202	CONSTRUCTION/HEAVY EQUIPMENT OPERATION	2	31
490205	TRUCK AND BUS DRIVER/COMMERCIAL VEHICLE OPERATION	9	193
500409	GRAPHIC DESIGN	3	114
510601	DENTAL ASSISTING	3	97
510602	DENTAL HYGIENE	4	121
510707	HEALTH INFORMATION/MEDICAL RECORDS	4	129
510713	MEDICAL INSURANCE CODING SPECIALIST	2	411
510716	MEDICAL ADMINISTRATIVE/EXECUTIVE ASSISTANT AND MEDICAL SECRETARY	9	787
510801	MEDICAL/CLINICAL ASSISTANT	2	35
510803	OCCUPATIONAL THERAPIST ASSISTANT	3	98

510805	PHARMACY TECHNICIAN/ASSISTANT	1	32
510806	PHYSICAL THERAPIST ASSISTANT	4	143
510808	VETERINARY/ANIMAL HEALTH TECHNOLOGY	2	43
510901	CARDIOVASCULAR TECHNOLOGY	1	36
510904	EMERGENCY MEDICAL TECHNOLOGY, PARAMEDIC	10	512
510905	NUCLEAR MEDICAL TECHNOLOGY	1	4
510907	MEDICAL RADIOLOGIC TECHNOLOGY/SCIENCE-RADIATION THERAPIST	9	533
510908	RESPIRATORY CARE THERAPY	9	302
510909	SURGICAL TECHNOLOGY	7	215
510910	DIAGNOSTIC MEDICAL SONOGRAPHY AND ULTRASOUND TECHNOLOGY	3	29
511004	CLINICAL/MEDICAL LABORATORY TECHNICIAN	7	249
511613	LICENSED PRACTICAL/VOCATIONAL NURSE TRAINING	26	1730
511614	NURSE/NURSING ASSISTANT/AIDE AND PATIENT CARE ASSISTANT	10	295
511801	OPTICIANRY	1	15
511802	OPTOMETRIC ASSISTING TECHNOLOGY	1	11
513501	MASSAGE THERAPY	1	19
520203	LOGISTICS AND MATERIALS MANAGEMENT	1	143
520302	ACCOUNTING, TECHNOLOGY AND BOOKKEEPING	5	80
520401	ADMINISTRATIVE ASSISTANT AND SECRETARIAL SCIENCE	30	3691
520407	BUSINESS/OFFICE AUTOMATION/TECHNOLOGY	5	55
520803	BANKING AND FINANCIAL SUPPORT SERVICES	2	40
520901	HOSPITALITY ADMINISTRATION MANAGEMENT	10	325
521401	MARKETING/MARKETING MANAGEMENT	14	950
521902	FASHION MERCHANDISING	1	26
521907	VEHICLE AND VEHICLE PARTS AND ACCESSORIES MARKETING OPERATIONS	1	26
	TOTALS	495	22565

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Short-Term Adult Programs

In FY2006 two hundred forty-two (242) state funded short-term adult programs were conducted by secondary institutions serving 3,122 adult students. One hundred nineteen (119) federally funded short-term adult programs conducted by secondary and postsecondary districts served 1,607 adult students.

Accountability and Assessment

The Mississippi Department of Education Office of Student Assessment, in cooperation with the OVE&WD, has developed and implemented a customized vocational assessment program, Mississippi Career Planning and Assessment System (MS-CPAS), which is used to determine progress in attaining educational goals. MS-CPAS is comprised of a number of occupation-specific examinations developed by the Mississippi State Research and Curriculum Unit (RCU) for use in measuring occupational knowledge and skills. The CPAS exams were printed and scored by the Research and Curriculum unit. The occupation-specific examinations are each tailored to correspond to specific vocational-technical programs within the Mississippi Curriculum Framework. Forty-seven (47) Occupation-specific examinations were administered to completers of secondary vocational-technical program CIP types and fifty-one (51) occupation-specific examinations were administered to completers of postsecondary vocational-technical program CIP types.