

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 185,092 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 fifty-five (255) Career Discovery programs introduced 34,062 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-seven (257) Computer Discovery programs exposed 31,551 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.

Two hundred fifteen (215) Technology Discovery programs enabled 28,622 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.

Fifty-three (53) Introduction to Agriculture Science programs served 1,767 students.

Two hundred twenty-seven (227) Family and Consumer Sciences Programs funded through H.B. 1467 served 27,110 unduplicated students. Approximately 14,000 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 40,000 students.

Forty-six (46) Technology Applications programs served nine hundred ninety-five (951) 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 thirteen (1,013) secondary occupational programs served twenty-eight thousand four hundred eighty-seven (28,487) students.

Secondary Occupational Programs and Enrollments

In Classification of Instructional Programs (CIP) Code Numerical Order

<u>CIP Code</u>	<u>Program Name</u>	<u># of Programs</u>	<u>Enrollment</u>
000204	COOPERATIVE EDUCATION	82	2,378
000263	BASIC VOC BUSINESS AND COMMERCE	1	25
010000	AGRICULTURE, GENERAL	27	651
010002	CONCEPTS OF AGRICULTURAL SCIENCE	43	1,652
010101	AGRICULTURAL BUSINESS & MGMT.- GEN	9	117
010103	AGBUSINESS & ENTREPRENEURSHIP (AEST)	31	212
010204	AGRICULTURAL POWER MACHINERY OPERA	22	564
010205	AGRICULTURAL MECHANICS & EQUIPMENT	8	126
010301	AGRICULTURAL PRODUCTION WORKERS	34	720
010303	AQUACULTURE OPERATIONS & PROD MGMT.	1	38
010401	AG & FOOD PRODUCTS PROCESSING	2	43
010601	HORTICULTURE SERVICE OP & MGMT.- GEN	7	131
010901	ANIMAL SCIENCES, GENERAL	17	236
011101	PLANT SCIENCES, GENERAL	31	409
030104	ENVIRONMENTAL SCIENCE	27	269
030401	FOREST HARVESTING & PROD. TECH.	9	205
100202	RADIO/TELEVISION BROADCASTING TECH	1	7
100305	GRAPHIC & PRINTING EQUIP. OPERATOR	5	97
110201	COMPUTER PROGRAMMING/PROGRAMMER	1	32
111099	INTEGRATED COMPUTER APPLICATIONS	1	7
120401	COSMETOLOGY/COSMETOLOGIST, GENERAL	2	56
120500	COOKING & RELATED CULINARY ARTS	34	1,055
150607	PLASTICS ENGINEERING TECHNOLOGY	3	67
151202	COMPUTER TECHNOLOGY/COMPUTER SYS	12	258
151301	DRAFTING & DESIGN TECHNOLOGY	23	433
151303	ARCHITECTURAL DESIGN	1	15
151306	MECHANICAL DRAWING	1	9
151399	ARCHITECTURAL DRAWING	1	59
190702	ADULT DEVELOPMENT AND AGING	1	11
190709	CHILD CARE PROVIDER/ASSISTANT	41	1,196

190901	APPAREL AND TEXTILES, GENERAL	15	425
460000	CONSTRUCTION TRADES, GENERAL	70	1,728
460101	MASON & TILE SETTER	8	168
460201	CARPENTER	15	371
460302	ELECTRICIAN	9	174
470101	ELECTRICAL/ELECTRONICS EQPT INSTALLER	7	114
470201	HEATING & AIR CONDITIONING & REFRIG	4	88
470303	INDUSTRIAL MECHANICS & MAINT. TECH.	5	114
470603	AUTO/AUTOMOTIVE BODY REPAIRER	16	508
470604	AUTO/AUTOMOTIVE MECHANIC/TECH	56	1,689
470605	DIESEL EQUIPMENT REPAIR & SERVICES	2	35
470606	SMALL ENGINE MECHANIC & REPAIRER	4	59
470692	OUTBOARD ENGINE MECHANICS	1	29
470699	VEHICLE & MOBILE EQUIP. MECHANICS	21	598
480503	MACHINE SHOP ASSISTANT	4	91
480508	WELDER/WELDING TECHNOLOGIST	17	414
480590	METAL TRADES	44	1,200
480702	FURNITURE DESIGN & MANUFACTURING	4	74
500402	GRAPHIC DESIGN- COMMERCIAL ART	2	59
510000	HEALTH SERVICES/ALLIED HEALTH, GEN	93	3,462
520407	BUSINESS/OFFICE AUTOMATION/TECHNOLO	101	3,011
520901	HOSPITALITY ADMINISTRATION/MANAGEMEN	3	55
521801	SALES, DISTRIBUTION & MARKETING	34	1,176
Totals		1,013	28,487

The data presented above were collected by OVE&WD as Final Vocational Program Enrollment data for the 2004-2005 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 FY2005, 483 postsecondary programs served 21,843 students.

Postsecondary Occupational Programs and Enrollments

In Classification of Instructional Programs (CIP) Code Numerical Order

<u>CIP</u>			
<u>Code</u>	<u>Program Name</u>	<u># of Programs</u>	<u>Enrollment</u>
000254	SCIENCE AND TECHNOLOGY	1	73
010102	AGRICULTURAL BUSINESS/AGRIBUSINESS	1	24
010104	FARM & RANCH MANAGEMENT- GENERAL	1	43
010105	AGRICULTURAL/FARM SUPPLIES RETAILING	1	46

010299	AGRICULTURAL MECHANIZATION- OTHER	4	36
010302	AGRICULTURAL ANIMAL HUSBANDRY/PRODUCTI	2	21
010303	AQUACULTURE OPERATIONS & PROD MGMT.	1	12
010492	FOODS PRODUCTS (MEATS-CERTIFICATE)	2	45
010601	HORTICULTURE SERVICE OP & MGMT.- GEN	2	56
010605	LANDSCAPING OP. & MGMT.	4	100
010607	TURF MANAGEMENT	1	16
030401	FOREST HARVESTING & PROD. TECH.	3	92
030509	WOOD SCIENCE & PULP/PAPER TECH	1	13
080102	FASHION MERCHANDISING	2	53
081203	VEHICLE PARTS & ACCESSORIES MKTG OP	1	22
100202	RADIO/TELEVISION BROADCASTING TECH	1	11
100305	GRAPHIC & PRINTING EQUIP. OPERATOR	1	20
110201	COMPUTER PROGRAMMING/PROGRAMMER	16	1,367
110801	WEB PAGE, DIGITAL/MULTIMEDIA DESIGN	1	49
110802	DATABASE ADMINISTRATION TECHNOLOGY	1	33
110901	COMPUTER SYS NETWORKING & TELECOM	13	618
111004	WEB/MULTIMEDIA MGT & WEBMASTER	2	41
120301	FUNERAL SERVICE & MORTUARY SCIENCE	5	246
120401	COSMETOLOGY/COSMETOLOGIST, GENERAL	13	472
120402	BARBER/HAIRSTYLIST	4	149
120500	COOKING & RELATED CULINARY ARTS	4	113
120503	CULINARY ARTS/CHEF TRAINING	1	47
131501	TEACHER ASSISTANT/AIDE	1	16
150101	ARCHITECTURAL ENGINEERING TECH	5	198
150201	CIVIL ENGINEERING/CIVIL TECHNOLOGY	4	83
150303	ELECTRICAL& ELECTRONIC & COMM. TECH	21	945
150305	TELECOMMUNICATIONS TECHNOLOGY/TECHN	3	89
150507	ENVIRONMENTAL & POLLUTION CONTROL	2	22
150607	PLASTICS ENGINEERING TECHNOLOGY	1	10
150613	MANUFACTURING TECHNOLOGY/TECHNICIAN	5	125
150699	PROCESS CONTROL TECHNOLOGY	1	15
151301	DRAFTING & DESIGN TECHNOLOGY	17	854
190705	GERONTOLOGY	1	14
190709	CHILD CARE PROVIDER/ASSISTANT	14	1,010
190901	APPAREL AND TEXTILES, GENERAL	1	40
220302	LEGAL ASSISTANT/PARALEGAL	7	422
460101	MASON & TILE SETTER	4	94
460201	CARPENTER	7	174
460302	ELECTRICIAN	11	633
460503	PLUMBING TECHNOLOGY/PLUMBER	2	28
460504	WELL DRILLING/DRILLER	1	21
470103	COMMUNICATION SYSTEMS INSTALLER	2	36
470104	COMPUTER INSTALLATION & REPAIR TECH	5	124
470201	HEATING & AIR CONDITIONING & REFRY	16	468
470302	HEAVY EQUIP MAIN & REPAIRER	3	80
470303	INDUSTRIAL MECHANICS & MAINT. TECH	3	43
470408	WATCH & CLOCK & JEWELRY REPAIRER	1	36
470603	AUTO/AUTOMOTIVE BODY REPAIRER	10	253

470604	AUTO/AUTOMOTIVE MECHANIC/TECH	18	505
470605	DIESEL EQUIPMENT REPAIR & SERVICES	2	41
470607	AIRCRAFT POWERPLANT TECHNOLOGY	2	57
470615	ENGINE MACHINIST	3	71
470692	OUTBOARD ENGINE MECHANICS	1	31
480501	MACHINIST/MACHINE TECHNOLOGIST	1	11
480503	MACHINE SHOP ASSISTANT	12	252
480506	SHEET METAL WORKER	1	22
480507	TOOL & DIE MAKER/TECHNOLOGIST	4	65
480508	WELDER/WELDING TECHNOLOGIST	21	545
490202	CONSTRUCTION EQUIPMENT OPERATOR	2	27
490205	TRUCK/BUS/OTHER-COMMERCIAL VEHICLE	8	201
500402	GRAPHIC DESIGN- COMMERCIAL ART	6	145
510000	HEALTH SERVICES/ALLIED HEALTH, GEN	2	5
510601	DENTAL ASSISTANT	2	86
510602	DENTAL HYGIENIST	3	81
510707	MEDICAL RECORDS TECH	3	137
510713	MEDICAL INSURANCE CODING SPECIALIST	2	28
510716	MEDICAL ADMIN/EXEC.ASSIST/MED.SECTY	4	354
510801	MEDICAL ASSISTANT	2	32
510803	OCCUPATIONAL THERAPY ASSISTANT	2	66
510805	PHARMACY TECH/ASSISTANT	1	37
510806	PHYSICAL THERAPY ASSISTANT	4	126
510808	VETERINARIAN ASST.-ANIMAL HEALTH	3	54
510899	HEALTH & MEDICAL ASSISTANTS, OTHER	2	38
510901	CARDIOVASCULAR TECHNOLOGY	2	35
510904	EMERGENCY MEDICAL TECHNOLOGY	9	428
510907	MEDICAL RADIOLOGIC TECHNOLOGY	9	567
510908	RESPIRATORY THERAPY TECH	9	312
510909	SURGICAL/OPERATING ROOM TECH	8	243
510910	DIAGNOSTIC MEDICAL SONOGRAPHY	3	44
511004	MEDICAL LABORATORY TECH	7	283
511613	PRACTICAL NURSE (LPN TRAINING)	24	1,482
511614	NURSING ASSISTANT/AIDE	6	183
511801	OPTICIANRY/DISPENSING OPTICIAN	1	22
511802	OPTOMETRIC TECHNICIAN/ASSISTANT	1	2
520204	BUSINESS AND OFFICE MANAGEMENT	1	1
520302	ACCOUNTING TECH	1	13
520401	ADMINISTRATIVE ASSIST/SECRETARIAL	29	4,213
520803	BANKING & FINANCIAL SUPPORT SERVICE	3	91
520901	HOSPITALITY ADMINISTRATION/MANAGEMENT	8	293
521401	BUSINESS MARKETING & MARKETING MANAGME	14	963
Totals		483	21,843

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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.

Short-Term Adult Programs

In FY2005 two hundred forty-eight (248), state funded short-term adult programs were conducted by secondary institutions serving 3,628 adult students. Three hundred fifty-five (355) state funded programs were conducted by postsecondary institutions providing training to 4,463 adults. Two hundred twenty-four (224) federally funded short-term adult programs conducted by secondary and postsecondary districts served 2,608 adult students.

Accountability and Assessment

In response to the workplace and higher education needs, MDE and the State Board for Community and Junior Colleges have placed a high priority and emphasis on the improvement of reading, math and language skills as well as other measures of academic achievement for both academic and vocational - technical students. In the secondary arena, we are moving to the use of more stringent subject area tests. We are incorporating greater emphasis on technology, academic skill, and licensure. As vocational curricula are rewritten, occupation-specific examinations are tailored to correspond to each of the vocational-technical programs within the Mississippi Curriculum Framework. Professional development is designed to teach teachers how to successfully deliver instruction using the new curriculum to ensure that students will have optimized opportunity to be successful in the new course. OVE&WD will continue providing well-designed and supportive activities to our client groups so that student achievement will continue to show increases in academic attainment.

At the secondary level the measurement of Academic Attainment and High School Completion, the FLE for Completers (students completing vocational programs) is no longer used, in place of the FLE, Completers must pass four subject area tests. At the postsecondary level, the ACT Work Keys is no longer used. In its place, Completers must obtain a given level on the TABE Test (or a test that is comparably equivalent to TABE).