

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 173,917 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-eight (248) Career Discovery programs introduced 32,611 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 forty-nine (249) Computer Discovery programs exposed 30,859 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 three (203) Technology Discovery programs enabled 26,940 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-seven (47) Introduction to Agriculture Science programs served 1,577 students.

Two hundred twenty-one (221) Family and Consumer Sciences Programs funded through H.B. 1467 served 27,110 unduplicated students. Approximately 13,800 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 40,900 students.

Forty-four (44) Technology Applications programs served nine hundred forty-nine (949) 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 (1,019) secondary occupational programs served twenty-seven thousand one hundred seventy-one (27,171) 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 | 78 | 2280 |
| 000263 | BASIC VOC BUSINESS AND COMMERCE | 1 | 17 |
| 010000 | AGRICULTURE, GENERAL | 25 | 586 |
| 010002 | CONCEPTS OF AGRICULTURAL SCIENCE | 45 | 1630 |
| 010101 | AGRICULTURAL BUSINESS & MGMT.- GENE | 7 | 94 |
| 010103 | AGBUSINESS & ENTREPRENEURSHIP(AEST) | 33 | 210 |
| 010204 | AGRICULTURAL POWER MACHINERY OPERAT | 19 | 473 |
| 010205 | AGRICULTURAL MECHANICS & EQUIPMENT | 10 | 181 |
| 010301 | AGRICULTURAL PRODUCTION WORKERS & | 34 | 790 |
| 010303 | AQUACULTURE OPERATIONS & PROD MGMT. | 1 | 40 |
| 010401 | AG & FOOD PRODUCTS PROCESSING | 2 | 45 |
| 010601 | HORTICULTURE SERVICE OP & MGMT.- GE | 7 | 176 |
| 010901 | ANIMAL SCIENCES, GENERAL | 16 | 231 |
| 011101 | PLANT SCIENCES, GENERAL | 36 | 449 |
| 030104 | ENVIRONMENTAL SCIENCE | 26 | 231 |
| 030401 | FOREST HARVESTING & PROD. TECH. | 10 | 218 |
| 100202 | RADIO/TELEVISION BROADCASTING TECH | 1 | 11 |
| 100305 | GRAPHIC & PRINTING EQUIP. OPERATOR | 6 | 119 |
| 110201 | COMPUTER PROGRAMMING/PROGRAMMER | 1 | 37 |
| 111099 | INTEGRATED COMPUTER APPLICATIONS | 1 | 12 |
| 120401 | COSMETOLOGY/COSMETOLOGIST, GENERAL | 2 | 47 |
| 120500 | COOKING & RELATED CULINARY ARTS | 33 | 1051 |
| 140101 | TECHONOLOGY AND ENGINEERING PRINCIP | 1 | 209 |
| 150607 | PLASTICS ENGINEERING TECHNOLOGY | 4 | 72 |
| 151202 | COMPUTER TECHNOLOGY/COMPUTER SYSTEM | 12 | 295 |
| 151301 | DRAFTING & DESIGN TECHNOLOGY | 22 | 397 |
| 151302 | CAD/COMPUTER AIDED DESIGN | 1 | 11 |
| 151303 | ARCHITECTURAL DESIGN | 1 | 6 |
| 151306 | MECHANICAL DRAWING | 1 | 3 |
| 151399 | ARCHITECTURAL DRAWING | 1 | 49 |
| 190702 | ADULT DEVELOPMENT AND AGING | 1 | 15 |
| 190709 | CHILD CARE PROVIDER/ASSISTANT | 40 | 1222 |
| 190901 | APPAREL AND TEXTILES, GENERAL | 15 | 408 |

| | | | |
|--------|---------------------------------------|------|--------|
| 460000 | CONSTRUCTION TRADES, GENERAL | 69 | 1774 |
| 460101 | MASON & TILE SETTER | 9 | 157 |
| 460201 | CARPENTER | 16 | 394 |
| 460302 | ELECTRICIAN | 8 | 180 |
| 470101 | ELECTRICAL/ELECTRONICS EQPT. INSTAL | 7 | 128 |
| 470201 | HEATING & AIR CONDITIONING & REFRIG | 4 | 68 |
| 470303 | INDUSTRIAL MECHANICS & MAINT. TECH. | 5 | 99 |
| 470603 | AUTO/AUTOMOTIVE BODY REPAIRER | 17 | 499 |
| 470604 | AUTO/AUTOMOTIVE MECHANIC/TECH | 60 | 1764 |
| 470605 | DIESEL EQUIPMENT REPAIR & SERVICES | 2 | 39 |
| 470606 | SMALL ENGINE MECHANIC & REPAIRER | 4 | 55 |
| 470692 | OUTBOARD ENGINE MECHANICS | 1 | 30 |
| 470699 | VEHICLE & MOBILE EQUIP. MECHANICS | 19 | 578 |
| 480503 | MACHINE SHOP ASSISTANT | 4 | 68 |
| 480508 | WELDER/WELDING TECHNOLOGIST | 19 | 510 |
| 480590 | METAL TRADES | 44 | 1185 |
| 480702 | FURNITURE DESIGN & MANUFACTURING | 4 | 91 |
| 500402 | GRAPHIC DEISGN- COMMERCIAL ART | 3 | 83 |
| 510000 | HEALTH SERVICES/ALLIED HEALTH, GEN. | 94 | 3472 |
| 520407 | BUSINESS/OFFICE AUTOMATION/TECHNOL. | 102 | 3098 |
| 520901 | HOSPITALITY ADMINISTRATION/MANAGEMENT | 3 | 68 |
| 521801 | SALES, DISTRIBUTION & MARKETING OPN | 32 | 1216 |
| | TOTALS | 1019 | 27,171 |

The data presented above were collected by OVE&WD as Final Vocational Program Enrollment data for the 2005-2006 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, 455 postsecondary programs served 21,554 students.

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

| CIP Code | Program Name | # of Programs | Enrollment |
|-----------------|------------------------------------|----------------------|-------------------|
| 000254 | SCIENCE AND TECHNOLOGY | 1 | 73 |
| 010102 | AGRICULTURAL BUSINESS/AGRIBUSINESS | 1 | 24 |

| | | | |
|--------|--|----|------|
| 010104 | FARM & RANCH MANAGEMENT- GENERAL | 1 | 43 |
| 010105 | AGRICULTURAL/FARM SUPPLIES RETAILNG | 1 | 46 |
| 010299 | AGRICULTURAL MECHANIZATION- OTHER | 2 | 34 |
| 010302 | AGRICULTURAL ANIMAL HUSBANDRY/PRODU | 1 | 18 |
| 010303 | AQUACULTURE OPERATIONS & PROD MGMT. | 1 | 12 |
| 010492 | FOODS PRODUCTS (MEATS-CERTIFICATE) | 2 | 45 |
| 010601 | HORTICULTURE SERVICE OP & MGMT.- GE | 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 | 1361 |
| 110801 | WEB PAGE, DIGITAL/MULTIMEDIA DESIGN | 1 | 49 |
| 110802 | DATABASE ADMINISTRATION TECHNOLOGY | 1 | 33 |
| 110901 | COMPUTER SYSTEMS NETWORKING & TELEC | 13 | 618 |
| 111004 | WEB/MULTIMEDIA MGT & WEBMASTER | 2 | 41 |
| 120301 | FUNERAL SERVICE & MORTUARY SCIENCE | 4 | 234 |
| 120401 | COSMETOLOGY/COSMETOLOGIST, GENERAL | 12 | 438 |
| 120402 | BARBER/HAIRSTYLIST | 4 | 129 |
| 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 | 3 | 82 |
| 150303 | ELECTRICAL& ELECTRONIC & COMM TECH | 20 | 942 |
| 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 |
| 151202 | COMPUTER TECHNOLOGY/COMPUTER SYSTEM | 1 | 35 |
| 151301 | DRAFTING & DESIGN TECHNOLOGY | 15 | 854 |
| 190705 | GERONTOLOGY | 1 | 14 |
| 190709 | CHILD CARE PROVIDER/ASSISTANT | 13 | 957 |
| 190901 | APPAREL AND TEXTILES, GENERAL | 1 | 40 |
| 220302 | LEGAL ASSISTANT/PARALEGAL | 5 | 410 |
| 460101 | MASON & TILE SETTER | 4 | 94 |
| 460201 | CARPENTER | 7 | 168 |
| 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 | 4 | 96 |
| 470201 | HEATING & AIR CONDITIONING & REFRIG | 14 | 466 |
| 470302 | HEAVY EQUIP MAINT & REPAIRER | 3 | 80 |
| 470303 | INDUSTRIAL MECHANICS & MAINT. TECH. | 2 | 41 |
| 470408 | WATCH & CLOCK & JEWELRY REPAIRER | 1 | 36 |
| 470603 | AUTO/AUTOMOTIVE BODY REPAIRER | 10 | 241 |
| 470604 | AUTO/AUTOMOTIVE MECHANIC/TECH | 16 | 501 |
| 470605 | DIESEL EQUIPMENT REPAIR & SERVICES | 2 | 41 |
| 470607 | AIRCRAFT POWERPLANT TECHNOLOGY | 2 | 49 |
| 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 | 3 | 63 |
| 480508 | WELDER/WELDING TECHNOLOGIST | 20 | 519 |
| 490202 | CONSTRUCTION EQUIPMENT OPERATOR | 2 | 27 |
| 490205 | TRUCK/BUS/OTHER-COMMERCIAL VEHICLE | 8 | 204 |
| 500402 | GRAPHIC DEISGN- COMMERCIAL ART | 4 | 139 |
| 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 | 378 |
| 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 | 2 | 49 |
| 510899 | HEALTH & MEDICAL ASSISTANTS, OTHER | 2 | 38 |
| 510901 | CARDIOVASCULAR TECHNOLOGY | 1 | 33 |
| 510904 | EMERGENCY MEDICAL TECHNOLOGY | 9 | 428 |
| 510907 | MEDICAL RADIOLOGIC TECHNOLOGY | 9 | 567 |
| 510908 | RESPIRATORY THERAPY TECH | 9 | 302 |
| 510909 | SURGICAL/OPERATING ROOM TECH | 7 | 242 |
| 510910 | DIAGNOSTIC MEDICAL SONOGRAPHY | 3 | 44 |
| 511004 | MEDICAL LABORATORY TECH | 7 | 283 |
| 511613 | PRACTICAL NURSE (LPN TRAINING) | 24 | 1478 |
| 511614 | NURSING ASSISTANT/AIDE | 6 | 195 |
| 511801 | OPTICIANRY/DISPENSING OPTICIAN | 1 | 22 |
| 511802 | OPTOMETRIC TECHNICIAN/ASSISTANT | 1 | 2 |
| 520302 | ACCOUNTING TECH | 1 | 8 |
| 520401 | ADMINISTRATIVE ASSIST/SECRETARIAL | 28 | 4156 |
| 520803 | BANKING & FINANCIAL SUPPORT SERVICE | 3 | 91 |
| 520901 | HOSPITALITY ADMINISTRATION/MANAGEMENT | 8 | 273 |
| 521401 | BUSINESS MARKETING & MARKETING MAMG | 14 | 952 |
| | TOTALS | 455 | 21554 |

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Short-Term Adult Programs

In FY2005 two hundred twenty-three (223) state funded short-term adult programs were conducted by secondary institutions serving 2,846 adult students. Two hundred (200) federally funded short-term adult programs conducted by secondary and postsecondary districts served 2,324 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 that have been developed by the Mississippi State Research and Curriculum Unit (RCU) for use in measuring occupational knowledge and skills. CPAS is printed and scored by Southern Illinois University. The occupation-specific examinations are each tailored to correspond to specific vocational-technical programs within the Mississippi Curriculum Framework. Thirty-three (33) occupation-specific examinations were administered to completers of secondary vocational-technical program CIP types and thirty-three occupation-specific examinations were administered to completers of postsecondary vocational-technical program CIP types.