

California Community Colleges Programs Classified as Nontraditional Taxonomy of Programs (TOP) Ver. 6 (2008)

Introduction

The Carl D. Perkins Career and Technical Education Act of 2006 (Perkins IV) places an increased emphasis on training students for nontraditional careers. The Act defines a nontraditional career as any career in which fewer than 25% of the employees are of a single gender and holds states and districts accountable for meeting targets to train students for careers that are nontraditional for their gender. To assist local districts and colleges in identifying career and technical education (CTE) programs that are considered nontraditional, the Special Populations Collaborative Project has combined federal/national data resources with the California Community Colleges Chancellor's Office (CCCCO) Taxonomy of Programs (TOP) classification system to prepare a Table of Nontraditional Programs by TOP Codes.

Development of the Table

The project utilized two public resources recommended by the federal Office of Vocational and Adult Education (OVAE):

- Nontraditional Occupations for Females from 2006 Bureau of Labor Statistics (BLS) Data, prepared by the National Alliance for Partnerships in Equity (NAPE), 6-1-07
- Nontraditional Occupations for Males from 2006 Bureau of Labor Statistics Data, prepared by the NAPE, 6-1-07

The NAPE documents list the career areas in which the percent of female or male employees is less than 25%. The NAPE nontraditional documents are available online at <http://www.edcountability.net/crosswalks.cfm>

These documents were constructed using the federal Standard Occupational Classification (SOC) codes. The SOC codes were further linked to the National Center of Education Statistics' Classification of Instructional Program (CIP) Codes to which CCCCCO Management Information System (MIS) data are linked through TOP codes.

To determine which TOP code programs prepare students for careers that are nontraditional to their gender, the NAPE SOC-CIP 2000 nontraditional occupations tables were electronically linked to the CCCCCO TOP Codes Ver. 6 CIP-TOP crosswalk developed by the Academic Affairs Unit. Additional minor adjustments were made to the CIP-TOP crosswalk to correct anomalies that surfaced during the process.

Format of the Table

Under each two digit TOP code discipline heading are: (a) the six digit occupational TOP code deemed nontraditional, (b) the corresponding instructional program title, and (c) the applicable nontraditional gender. Please note the gender determinations are based on national employment data, not data specific to California.

TOP Code	Instructional Program Title	Nontraditional Gender
Agriculture and Natural Resources: 01		
010100	Agriculture Technology & Sciences, General	F
010200	Animal Science	F
010210	Veterinary Technician (Licensed)	M
010220	Artificial Inseminator (Licensed)	F
010230	Dairy Science	F
010240	Equine Science	F
010300	Plant Science	F
010310	Agricultural Pest Control Advisor and Operator (Licensed)	F
010400	Viticulture, Enology, and Wine Business	F
010900	Horticulture	F
010910	Landscape Design and Maintenance	F
010930	Nursery Technology	F
010940	Turfgrass Technology	F
011200	Agriculture Business, Sales, and Service	F
011300	Food Processing & Related Technologies	F
011400	Forestry	F
011500	Natural Resources	F
011520	Wildlife & Fisheries	F
011600	Agricultural Power Equipment Technology	F
019900	Other Agriculture and Natural Resources	F
Architecture and Environmental Design: 02		
020100	Architecture and Architectural Technology	F
029900	Other Architecture and Environmental Design	F
Environmental Sciences and Technologies: 03		
030300	Environmental Technology	F
Biological Sciences: 04		
043000	Biotechnology and Biomedical Technology	F
Business and Management: 05		
050100	Business and Commerce, General	F
050200	Accounting	M
050400	Banking and Finance	M
050500	Business Administration	F
050600	Business Management	F
050650	Retail Store Operations and Management	M
050800	International Business and Trade	F
050940	Sales and Salesmanship	M
051000	Logistics and Materials Transportation	F
051400	Office Technology/Office Computer Applications	M
051410	Legal Office Technology	M
051420	Medical Office Technology	M
051430	Court Reporting	M
051800	Customer Service	M
Media and Communications: 06		
060400	Radio and Television	F
060410	Radio	F
060420	Television (including combined tv/film/video)	F
060430	Broadcast Journalism	F
061220	Film Production	F
061400	Digital Media	M

061450	Desktop Publishing	M
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Information Technology: 07

070100	Information Technology, General	F
070200	Computer Information Systems	F
070210	Software Applications	M
070700	Computer Software Development	F
070710	Computer Programming	F
070730	Computer Systems Analysis	F
070800	Computer Infrastructure and Support	F
070810	Computer Networking	F
070820	Computer Support	F
079900	Other Information Technology	F

Education: 08

080200	Educational Aide (Teacher Assistant)	M
080210	Educational Aide (Teacher Assistant), Bilingual	M
080900	Special Education	M

Engineering and Industrial Technologies: 09

093400	Electronics and Electric Technology	F
093410	Computer Electronics	F
093420	Industrial Electronics	F
093430	Telecommunications Technology	F
093440	Electrical Systems and Power Transmission	F
093460	Biomedical Instrumentation	F
093480	Laser and Optical Technology	F
093500	Electro-Mechanical Technology	F
093510	Appliance Repair	F
093600	Printing and Lithography	F
094300	Instrumentation Technology	F
094330	Vacuum Technology	F
094500	Industrial Systems Technology and Maintenance	F
094600	Environmental Control Technology (HVAC)	F
094610	Energy Systems Technology	F
094700	Diesel Technology	F
094720	Heavy Equipment Maintenance	F
094730	Heavy Equipment Operation	F
094740	Railroad and Light Rail Operations	F
094750	Truck and Bus Driving	F
094800	Automotive Technology	F
094830	Motorcycle, Outboard, and Small Engine Repair	F
094840	Alternative Fuels and Advanced Transportation Technology	F
094850	Recreational Vehicle Service	F
094900	Automotive Collision Repair	F
094910	Upholstery Repair - Automotive	F
095000	Aeronautical and Aviation Technology	F
095010	Aviation Airframe Mechanics	F
095020	Aviation Power Plant Mechanics	F
095040	Aircraft Electronics (Avionics)	F
095050	Aircraft Fabrication	F
095200	Construction Crafts Technology	F
095210	Carpentry	F
095220	Electrical	F
095230	Plumbing, Pipefitting, and Steam Fitting	F
095240	Glazing	F

095250	Mill and Cabinet Work	F
095260	Masonry, Tile, Cement, and Lath and Plaster	F
095270	Painting, Decorating, and Flooring	F
095280	Drywall and Insulation	F
095290	Roofing	F
095300	Drafting Technology	F
095310	Architectural Drafting	F
095320	Civil Drafting	F
095330	Electrical, Electronic, and Electro-Mechanical Drafting	F
095340	Mechanical Drafting	F
095400	Chemical Technology	F
095420	Plastics and Composites	F
095430	Petroleum Technology	F
095500	Laboratory Science Technology	F
095600	Manufacturing and Industrial Technology	F
095630	Machining and Machine Tools	F
095640	Sheet Metal and Structural Metal	F
095650	Welding Technology	F
095700	Civil and Construction Management Technology	F
095720	Construction Inspection	F
095730	Surveying	F
095800	Water and Wastewater Technology	F
095900	Marine Technology	F
096100	Optics	F
096200	Musical Instrument Repair	F
099900	Other Engineering and Related Industrial Technologies	F

Fine and Applied Arts: 10

100500	Commercial Music	F
101200	Applied Photography	F
103000	Graphic Art and Design	F

Health: 12

120500	Medical Laboratory Technology	M
120800	Medical Assisting	M
120810	Clinical Medical Assisting	M
120820	Administrative Medical Assisting	M
120830	Health Facility Unit Coordinator	M
121100	Polysomnography	M
121400	Orthopedic Assistant	M
121700	Surgical Technician	M
121800	Occupational Therapy Technology	M
121900	Optical Technician	M
122000	Speech-Language Pathology and Audiology	M
122100	Pharmacy Technology	M
122200	Physical Therapist Assistant	M
122300	Health Information Technology	M
122310	Health Information Coding	M
122600	Radiation Therapy Technician	M
123000	Nursing	M
123010	Registered Nursing	M
123020	Licensed Vocational Nursing	M
123030	Certified Nurse Assistant	M
123080	Home Health Aide	M
123900	Psychiatric Technician	M

124010	Dental Assistant	M
124020	Dental Hygienist	M
125500	Mortuary Science	F
126200	Massage Therapy	M
Family and Consumer Sciences: 13		
130500	Child Development/Early Care and Education	M
130540	Preschool Age Children	M
130550	The School Age Child	M
130580	Child Development Administration and Management	M
130590	Infants and Toddlers	M
130600	Nutrition, Foods, and Culinary Arts	M
130620	Dietetic Services and Management	M
130630	Culinary Arts	F
130660	Dietetic Technology	M
Law: 14		
140200	Paralegal	M
Library Science: 16		
160200	Library Technician (Aide)	M
Physical Sciences: 19		
193000	Earth Science	F
Public and Protective Services: 21		
210200	Public Administration	F
210210	Public Works	F
210450	Disability Services	F
210500	Administration of Justice	F
210510	Corrections	F
210530	Industrial and Transportation Security	F
210550	Police Academy	F
213300	Fire Technology	F
213310	Wildland Fire Technology	F
213350	Fire Academy	F
219900	Other Public and Protective Services	F
Commercial Services: 30		
300700	Cosmetology and Barbering	M
300900	Travel Services and Tourism	M
302000	Aviation and Airport Management and Services	F
302010	Aviation and Airport Management	F
302020	Piloting	F
302030	Air Traffic Control	F
309900	Other Commercial Services	F

This document was prepared by the Special Populations Collaborative Project (with funding from Carl D. Perkins Career and Technical Education Act of 2006 grants 07-165-001 and 08-165-001, awarded by the California Community Colleges Chancellor's Office to West Hills Community College District).