

Appendix: A – Career and Technical Education Nontraditional Courses (2016-2017 School Year)

The federal Carl D. Perkins law requires states to measure participation in nontraditional courses. Nontraditional courses are defined as occupations or fields of work, including careers in computer science, technology, and other emerging high skill occupations, for which individuals from one gender comprise less than 25 percent of the individuals employed in each such occupation or field of work. The courses below were selected because, generally, they are occupationally specific courses in which the enrollment of one gender falls below 25 percent. Gender enrollments in the courses are reviewed annually at the state and local levels as part of the Carl D. Perkins reporting process.

Nontraditional for Females	
Number	Course
13000300	LIVESTOCK PRODUCTION
13000400	SMALL ANIMAL MANAGEMENT
13000500	EQUINE SCIENCE
13000700	ADVANCED ANIMAL SCIENCE
13000900	AGRIBUSINESS MANAGEMENT AND MARKETING
13001200	ADVANCED ENVIRONMENTAL TECHNOLOGY
13001300	FOOD TECHNOLOGY AND SAFETY
13001400	FOOD PROCESSING
13001500	WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT
13001600	RANGE ECOLOGY AND MANAGEMENT
13001700	FORESTRY AND WOODLAND ECOSYSTEMS
13001900	LANDSCAPE DESIGN AND TURF GRASS MANAGEMENT
13002000	HORTICULTURE SCIENCE
13002100	ADVANCED PLANT AND SOIL SCIENCE
13002200	AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES
13002300	AGRICULTURAL FACILITIES DESIGN AND FABRICATION
13002400	AGRICULTURAL POWER SYSTEMS
13004600	ARCHITECTURAL DESIGN
13004700	ADVANCED ARCHITECTURAL DESIGN
13004800	PRACTICUM IN ARCHITECTURAL DESIGN
13004810	PRACTICUM IN ARCHITECTURAL DESIGN II
13004900	CONSTRUCTION MANAGEMENT
13005000	ADVANCED CONSTRUCTION MANAGEMENT

Nontraditional for Females (continued)	
Number	Course
13005100	CONSTRUCTION TECHNOLOGY
13005200	ADVANCED CONSTRUCTION TECHNOLOGY
13005300	MILL AND CABINETMAKING TECHNOLOGY
13005400	BUILDING MAINTENANCE TECHNOLOGY
13005500	ADVANCED BUILDING MAINTENANCE TECHNOLOGY
13005600	ELECTRICAL TECHNOLOGY
13005700	ADVANCED ELECTRICAL TECHNOLOGY
13005800	HVAC AND REFRIGERATION TECHNOLOGY
13005900	ADVANCED HVAC AND REFRIGERATION TECHNOLOGY
13006000	PIPING AND PLUMBING TECHNOLOGY
13006100	ADVANCED PIPING AND PLUMBING TECHNOLOGY
13006200	PRACTICUM IN CONSTRUCTION MANAGEMENT
13006210	PRACTICUM IN CONSTRUCTION MANAGEMENT II
13008500	AUDIO VIDEO PRODUCTION
13008600	ADVANCED AUDIO VIDEO PRODUCTION
13008700	PRACTICUM IN AUDIO VIDEO PRODUCTION
13008710	PRACTICUM IN AUDIO VIDEO PRODUCTION II
13011800	GLOBAL BUSINESS
13022600	CULINARY ARTS
13022700	PRACTICUM IN CULINARY ARTS
13022710	PRACTICUM IN CULINARY ARTS II
13023000	FOOD SCIENCE
13027300	COMPUTER MAINTENANCE
13027400	TELECOMMUNICATIONS AND NETWORKING
13027500	COMPUTER TECHNICIAN
13027600	COMPUTER PROGRAMMING
13027700	ADVANCED COMPUTER PROGRAMMING

Nontraditional for Females (continued)	
Number	Course
13029300	LAW ENFORCEMENT I
13029400	LAW ENFORCEMENT II
13029600	COURT SYSTEMS AND PRACTICES
13029800	SECURITY SERVICES
13029900	FIREFIGHTER I
13030000	FIREFIGHTER II
13032200	PRINCIPLES OF MANUFACTURING
13032300	WELDING
13032400	ADVANCED WELDING
13032500	PRECISION METAL MANUFACTURING
13032600	ADVANCED PRECISION METAL MANUFACTURING
13032700	FLEXIBLE MANUFACTURING
13032800	ADVANCED FLEXIBLE MANUFACTURING
13032900	MANUFACTURING ENGINEERING
13033000	PRACTICUM IN MANUFACTURING
13033010	PRACTICUM IN MANUFACTURING II
13034400	ENTREPRENEURSHIP
13036500	ENGINEERING DESIGN AND PRESENTATION
13036600	ADVANCED ENGINEERING DESIGN AND PRESENTATION
13036800	ELECTRONICS
13036900	ADVANCED ELECTRONICS
13037000	ROBOTICS AND AUTOMATION
13037300	ENGINEERING DESIGN AND PROBLEM SOLVING
13037500	PRINCIPLES OF ENGINEERING
13037600	DIGITAL ELECTRONICS
13039300	ENERGY, POWER, AND TRANSPORTATION SYSTEMS
13039400	AIRCRAFT TECHNOLOGY
13039500	ADVANCED AIRCRAFT TECHNOLOGY

Nontraditional for Females (continued)	
Number	Course
13039600	AUTOMOTIVE TECHNOLOGY
13039700	ADVANCED AUTOMOTIVE TECHNOLOGY
13039800	COLLISION REPAIR AND REFINISHING
13039900	ADVANCED COLLISION REPAIR AND REFINISHING
13040000	SMALL ENGINE TECHNOLOGY
13040100	ADVANCED SMALL ENGINE TECHNOLOGY
13040200	TRANSPORTATION SYSTEMS MANAGEMENT
13040300	LOGISTICS, PLANNING AND MANAGEMENT SYSTEMS

Nontraditional for Males

Nontraditional for Males	
Number	Course
13000600	VETERINARY MEDICAL APPLICATIONS
13009600	PRINTING AND IMAGING TECHNOLOGY
13009700	ADVANCED PRINTING AND IMAGING TECHNOLOGY
13009800	PRACTICUM IN PRINTING AND IMAGING TECHNOLOGY
13009810	PRACTICUM IN PRINTING AND IMAGING TECHNOLOGY II
13011300	TOUCH SYSTEM DATA ENTRY
13011400	BUSINESS INFORMATION MANAGEMENT I
13011500	BUSINESS INFORMATION MANAGEMENT II
13014400	INSTRUCTIONAL PRACTICES IN EDUCATION AND TRAINING
13014500	PRACTICUM IN EDUCATION AND TRAINING
13014510	PRACTICUM IN EDUCATION AND TRAINING II
13016300	BANKING AND FINANCIAL SERVICES
13020300	MEDICAL TERMINOLOGY
13020400	HEALTH SCIENCE
13020700	MEDICAL MICROBIOLOGY
13024500	LIFETIME NUTRITION AND WELLNESS
13024800	CHILD GUIDANCE
13025100	INTRODUCTION TO COSMETOLOGY
13025200	COSMETOLOGY I
13025300	COSMETOLOGY II