

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|--|------------------|--|---------------|----------------|-----------|
| 01.0000       | Agriculture, General.  | 1                | Agriculture, Food & Natural Resources          | 01.0000       | F              |           |
| 01.0101       | Agricultural Business and Management, General.               | 1                | Agriculture, Food & Natural Resources          | 01.0101       | F              |           |
| 01.0102       | Agribusiness/Agricultural Business Operations.               | 1                | Agriculture, Food & Natural Resources          | 01.0102       | F              |           |
| 01.0103       | Agricultural Economics.                                      | 15               | Science, Technology, Engineering & Mathematics | 01.0103       |                |           |
| 01.0104       | Farm/Farm and Ranch Management.                              | 1                | Agriculture, Food & Natural Resources          | 01.0104       | F              |           |
| 01.0105       | Agricultural/Farm Supplies Retailing and Wholesaling.        | 1                | Agriculture, Food & Natural Resources          | 01.0105       |                |           |
| 01.0106       | Agricultural Business Technology.                            | 1                | Agriculture, Food & Natural Resources          | 01.0106       |                |           |
| 01.0199       | Agricultural Business and Management, Other.                 | 1                | Agriculture, Food & Natural Resources          | 01.0199       | F              |           |
| 01.0201       | Agricultural Mechanization, General.                         | 1                | Agriculture, Food & Natural Resources          | 01.0201       | F              |           |
| 01.0204       | Agricultural Power Machinery Operation.                      | 1                | Agriculture, Food & Natural Resources          | 01.0204       | F              |           |
| 01.0205       | Agricultural Mechanics and Equipment/Machine Technology.     | 1                | Agriculture, Food & Natural Resources          | 01.0205       | F              |           |
| 01.0299       | Agricultural Mechanization, Other.                           | 1                | Agriculture, Food & Natural Resources          | 01.0299       | F              |           |
| 01.0301       | Agricultural Production Operations, General.                 | 1                | Agriculture, Food & Natural Resources          | 01.0301       | F              |           |
| 01.0302       | Animal/Livestock Husbandry and Production.                   | 1                | Agriculture, Food & Natural Resources          | 01.0302       | F              |           |
| 01.0303       | Aquaculture.   | 1                | Agriculture, Food & Natural Resources          | 01.0303       | F              |           |
| 01.0304       | Crop Production.   | 1                | Agriculture, Food & Natural Resources          | 01.0304       | F              |           |
| 01.0306       | Dairy Husbandry and Production.                              | 1                | Agriculture, Food & Natural Resources          | 01.0306       | F              |           |
| 01.0307       | Horse Husbandry/Equine Science and Management.               | 1                | Agriculture, Food & Natural Resources          | 01.0307       | F              |           |
| 01.0308       | Agroecology and Sustainable Agriculture.                     | 1                | Agriculture, Food & Natural Resources          | 01.0308       | F              |           |
| 01.0309       | Viticulture and Enology.                                     | 1                | Agriculture, Food & Natural Resources          | 01.0309       | F              |           |
| 01.0399       | Agricultural Production Operations, Other.                   | 1                | Agriculture, Food & Natural Resources          | 01.0399       | F              |           |
| 01.0401       | Agricultural and Food Products Processing.                   | 1                | Agriculture, Food & Natural Resources          | 01.0401       | F              |           |
| 01.0504       | Dog/Pet/Animal Grooming.                                     | 1                | Agriculture, Food & Natural Resources          | 01.0504       |                |           |
| 01.0505       | Animal Training.   | 1                | Agriculture, Food & Natural Resources          | 01.0505       |                |           |
| 01.0507       | Equestrian/Equine Studies.                                   | 1                | Agriculture, Food & Natural Resources          | 01.0507       |                |           |
| 01.0508       | Taxidermy/Taxidermist.                                       | 1                | Agriculture, Food & Natural Resources          | 01.0508       | 1/             | See Notes |
| 01.0599       | Agricultural and Domestic Animal Services, Other.            | 1                | Agriculture, Food & Natural Resources          | 01.0599       | 1/             | See Notes |
| 01.0601       | Applied Horticulture/Horticulture Operations, General.       | 1                | Agriculture, Food & Natural Resources          | 01.0601       | F              |           |
| 01.0603       | Ornamental Horticulture.                                     | 1                | Agriculture, Food & Natural Resources          | 01.0603       | F              |           |
| 01.0604       | Greenhouse Operations and Management.                        | 1                | Agriculture, Food & Natural Resources          | 01.0604       | F              |           |
| 01.0605       | Landscaping and Groundskeeping.                              | 1                | Agriculture, Food & Natural Resources          | 01.0605       | F              |           |
| 01.0606       | Plant Nursery Operations and Management.                     | 1                | Agriculture, Food & Natural Resources          | 01.0606       | F              |           |
| 01.0607       | Turf and Turfgrass Management.                               | 1                | Agriculture, Food & Natural Resources          | 01.0607       | F              |           |
| 01.0608       | Floriculture/Floristry Operations and Management.            | 1                | Agriculture, Food & Natural Resources          | 01.0608       |                |           |
| 01.0699       | Applied Horticulture/Horticultural Business Services, Other. | 1                | Agriculture, Food & Natural Resources          | 01.0699       | 1/             | See Notes |
| 01.0701       | International Agriculture.                                   | 1                | Agriculture, Food & Natural Resources          | 01.0701       | F              |           |
| 01.0801       | Agricultural and Extension Education Services.               | 1                | Agriculture, Food & Natural Resources          | 01.0801       |                |           |
| 01.0802       | Agricultural Communication/Journalism.                       | 3                | Arts, Audio/Video Technology & Communications  | 01.0802       | F 2/           | See Notes |
| 01.0899       | Agricultural Public Services, Other.                         | 1                | Agriculture, Food & Natural Resources          | 01.0899       | 1/             | See Notes |
| 01.0901       | Animal Sciences, General.                                    | 1                | Agriculture, Food & Natural Resources          | 01.0901       | F              |           |
| 01.0902       | Agricultural Animal Breeding.                                | 1                | Agriculture, Food & Natural Resources          | 01.0902       | F              |           |
| 01.0903       | Animal Health.   | 1                | Agriculture, Food & Natural Resources          | 01.0903       | F              |           |
| 01.0904       | Animal Nutrition.  | 1                | Agriculture, Food & Natural Resources          | 01.0904       | F              |           |
| 01.0905       | Dairy Science.   | 1                | Agriculture, Food & Natural Resources          | 01.0905       | F              |           |
| 01.0906       | Livestock Management.  | 1                | Agriculture, Food & Natural Resources          | 01.0906       | F              |           |
| 01.0907       | Poultry Science.   | 1                | Agriculture, Food & Natural Resources          | 01.0907       | F              |           |
| 01.0999       | Animal Sciences, Other.                                      | 1                | Agriculture, Food & Natural Resources          | 01.0999       | F              |           |

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|---------------|---|------------------|--|---------------|----------------|-----------|
| 01.1001       | Food Science.   | 1                | Agriculture, Food & Natural Resources          | 01.1001       | F              |           |
| 01.1002       | Food Technology and Processing.                                   | 1                | Agriculture, Food & Natural Resources          | 01.1002       | F              |           |
| 01.1099       | Food Science and Technology, Other.                               | 1                | Agriculture, Food & Natural Resources          | 01.1099       | <u>1/</u>      | See Notes |
| 01.1101       | Plant Sciences, General.  | 1                | Agriculture, Food & Natural Resources          | 01.1101       | F              |           |
| 01.1102       | Agronomy and Crop Science.  | 1                | Agriculture, Food & Natural Resources          | 01.1102       | F              |           |
| 01.1103       | Horticultural Science.  | 1                | Agriculture, Food & Natural Resources          | 01.1103       | F              |           |
| 01.1104       | Agricultural and Horticultural Plant Breeding.                    | 1                | Agriculture, Food & Natural Resources          | 01.1104       | F              |           |
| 01.1105       | Plant Protection and Integrated Pest Management.                  | 1                | Agriculture, Food & Natural Resources          | 01.1105       | F              |           |
| 01.1106       | Range Science and Management.                                     | 1                | Agriculture, Food & Natural Resources          | 01.1106       | F              |           |
| 01.1199       | Plant Sciences, Other.  | 1                | Agriculture, Food & Natural Resources          | 01.1199       | F              |           |
| 01.1201       | Soil Science and Agronomy, General.                               | 1                | Agriculture, Food & Natural Resources          | 01.1201       | F              |           |
| 01.1202       | Soil Chemistry and Physics.                                       | 1                | Agriculture, Food & Natural Resources          | 01.1202       | F              |           |
| 01.1203       | Soil Microbiology.  | 1                | Agriculture, Food & Natural Resources          | 01.1203       | F              |           |
| 01.1299       | Soil Sciences, Other.   | 1                | Agriculture, Food & Natural Resources          | 01.1299       | F              |           |
| 01.9999       | Agriculture, Agriculture Operations, and Related Sciences, Other. | 1                | Agriculture, Food & Natural Resources          | 01.9999       | <u>1/</u>      | See Notes |
| 03.0101       | Natural Resources/Conservation, General.                          | 1                | Agriculture, Food & Natural Resources          | 03.0101       | F              |           |
| 03.0103       | Environmental Studies.  | 1                | Agriculture, Food & Natural Resources          | 03.0103       | F              |           |
| 03.0104       | Environmental Science.  | 1                | Agriculture, Food & Natural Resources          | 03.0104       | F              |           |
| 03.0199       | Natural Resources Conservation and Research, Other.               | 1                | Agriculture, Food & Natural Resources          | 03.0199       | <u>1/</u>      | See Notes |
| 03.0201       | Natural Resources Management and Policy.                          | 1                | Agriculture, Food & Natural Resources          | 03.0201       | F              |           |
| 03.0204       | Natural Resource Economics.                                       | 15               | Science, Technology, Engineering & Mathematics | 03.0204       | F              |           |
| 03.0205       | Water, Wetlands, and Marine Resources Management.                 | 1                | Agriculture, Food & Natural Resources          | 03.0205       | F              |           |
| 03.0206       | Land Use Planning and Management/Development.                     | 1                | Agriculture, Food & Natural Resources          | 03.0206       | F              |           |
| 03.0207       | Natural Resource Recreation and Tourism.                          | 1                | Agriculture, Food & Natural Resources          | 03.0207       | F              |           |
| 03.0208       | Natural Resources Law Enforcement and Protective Services.        | 1                | Agriculture, Food & Natural Resources          | 03.0208       | F              |           |
| 03.0299       | Natural Resources Management and Policy, Other.                   | 1                | Agriculture, Food & Natural Resources          | 03.0299       | F <u>2/</u>    | See Notes |
| 03.0301       | Fishing and Fisheries Sciences and Management.                    | 1                | Agriculture, Food & Natural Resources          | 03.0301       | F              |           |
| 03.0501       | Forestry, General.  | 1                | Agriculture, Food & Natural Resources          | 03.0501       | F              |           |
| 03.0502       | Forest Sciences and Biology.                                      | 1                | Agriculture, Food & Natural Resources          | 03.0502       | F              |           |
| 03.0506       | Forest Management/Forest Resources Management.                    | 1                | Agriculture, Food & Natural Resources          | 03.0506       | F              |           |
| 03.0508       | Urban Forestry.   | 1                | Agriculture, Food & Natural Resources          | 03.0508       | F              |           |
| 03.0509       | Wood Science and Wood Products/Pulp and Paper Technology.         | 1                | Agriculture, Food & Natural Resources          | 03.0509       | F              |           |
| 03.0510       | Forest Resources Production and Management.                       | 1                | Agriculture, Food & Natural Resources          | 03.0510       | F              |           |
| 03.0511       | Forest Technology/Technician.                                     | 1                | Agriculture, Food & Natural Resources          | 03.0511       | F              |           |
| 03.0599       | Forestry, Other.  | 1                | Agriculture, Food & Natural Resources          | 03.0599       | F              |           |
| 03.0601       | Wildlife, Fish and Wildlands Science and Management.              | 1                | Agriculture, Food & Natural Resources          | 03.0601       | F              |           |
| 03.9999       | Natural Resources and Conservation, Other.                        | 1                | Agriculture, Food & Natural Resources          | 03.9999       | F <u>2/</u>    | See Notes |
| 04.0201       | Architecture.   | 2                | Architecture & Construction                    | 04.0201       | F              |           |
| 04.0301       | City/Urban, Community and Regional Planning.                      | 7                | Government & Public Administration             | 04.0301       | F <u>2/</u>    | See Notes |
| 04.0401       | Environmental Design/Architecture.                                | 2                | Architecture & Construction                    | 04.0401       | F              |           |
| 04.0501       | Interior Architecture.  | 2                | Architecture & Construction                    | 04.0501       | F              |           |
| 04.0601       | Landscape Architecture.   | 2                | Architecture & Construction                    | 04.0601       | F              |           |
| 04.0801       | Architectural History and Criticism, General.                     | 2                | Architecture & Construction                    | 04.0801       | F              |           |
| 04.0901       | Architectural Technology/Technician.                              | 2                | Architecture & Construction                    | 04.0901       | F              |           |
| 04.0902       | Architectural and Building Sciences/Technology.                   | 2                | Architecture & Construction                    | 04.0902       | F              |           |
| 04.0999       | Architectural Sciences and Technology, Other.                     | 2                | Architecture & Construction                    | 04.0999       | F              |           |
| 04.1001       | Real Estate Development.  | 2                | Architecture & Construction                    | 04.1001       | F              |           |

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|---------------|--|------------------|-------------------------------|---------------|----------------|-----------|
| 04.9999       | Architecture and Related Services, Other.                              | 2                | Architecture & Construction   | 04.9999       | <u>1/</u>      | See Notes |
| 05.0101       | African Studies.   | 5                | Education & Training          | 05.0101       |                |           |
| 05.0102       | American/United States Studies/Civilization.                           | 5                | Education & Training          | 05.0102       |                |           |
| 05.0103       | Asian Studies/Civilization.  | 5                | Education & Training          | 05.0103       |                |           |
| 05.0104       | East Asian Studies.  | 5                | Education & Training          | 05.0104       |                |           |
| 05.0105       | Russian, Central European, East European and Eurasian Studies.         | 5                | Education & Training          | 05.0105       |                |           |
| 05.0106       | European Studies/Civilization.   | 5                | Education & Training          | 05.0106       |                |           |
| 05.0107       | Latin American Studies.  | 5                | Education & Training          | 05.0107       |                |           |
| 05.0108       | Near and Middle Eastern Studies.                                       | 5                | Education & Training          | 05.0108       |                |           |
| 05.0109       | Pacific Area/Pacific Rim Studies.                                      | 5                | Education & Training          | 05.0109       |                |           |
| 05.0110       | Russian Studies.   | 5                | Education & Training          | 05.0110       |                |           |
| 05.0111       | Scandinavian Studies.  | 5                | Education & Training          | 05.0111       |                |           |
| 05.0112       | South Asian Studies.   | 5                | Education & Training          | 05.0112       |                |           |
| 05.0113       | Southeast Asian Studies.   | 5                | Education & Training          | 05.0113       |                |           |
| 05.0114       | Western European Studies.  | 5                | Education & Training          | 05.0114       |                |           |
| 05.0115       | Canadian Studies.  | 5                | Education & Training          | 05.0115       |                |           |
| 05.0116       | Balkans Studies.   | 5                | Education & Training          | 05.0116       |                |           |
| 05.0117       | Baltic Studies.  | 5                | Education & Training          | 05.0117       |                |           |
| 05.0118       | Slavic Studies.  | 5                | Education & Training          | 05.0118       |                |           |
| 05.0119       | Caribbean Studies.   | 5                | Education & Training          | 05.0119       |                |           |
| 05.0120       | Ural-Altai and Central Asian Studies.                                  | 5                | Education & Training          | 05.0120       |                |           |
| 05.0121       | Commonwealth Studies.  | 5                | Education & Training          | 05.0121       |                |           |
| 05.0122       | Regional Studies (U.S., Canadian, Foreign)                             | 5                | Education & Training          | 05.0122       |                |           |
| 05.0123       | Chinese Studies.   | 5                | Education & Training          | 05.0123       |                |           |
| 05.0124       | French Studies.  | 5                | Education & Training          | 05.0124       |                |           |
| 05.0125       | German Studies.  | 5                | Education & Training          | 05.0125       |                |           |
| 05.0126       | Italian Studies.   | 5                | Education & Training          | 05.0126       |                |           |
| 05.0127       | Japanese Studies.  | 5                | Education & Training          | 05.0127       |                |           |
| 05.0128       | Korean Studies.  | 5                | Education & Training          | 05.0128       |                |           |
| 05.0129       | Polish Studies.  | 5                | Education & Training          | 05.0129       |                |           |
| 05.0130       | Spanish and Iberian Studies.   | 5                | Education & Training          | 05.0130       |                |           |
| 05.0131       | Tibetan Studies.   | 5                | Education & Training          | 05.0131       |                |           |
| 05.0132       | Ukraine Studies.   | 5                | Education & Training          | 05.0132       |                |           |
| 05.0133       | Irish Studies.   | 5                | Education & Training          | 05.0133       |                |           |
| 05.0134       | Latin American and Caribbean Studies.                                  | 5                | Education & Training          | 05.0134       |                |           |
| 05.0199       | Area Studies, Other.   | 5                | Education & Training          | 05.0199       |                |           |
| 05.0200       | Ethnic Studies.  | 5                | Education & Training          | 05.0200       |                |           |
| 05.0201       | African-American/Black Studies.  | 5                | Education & Training          | 05.0201       |                |           |
| 05.0202       | American Indian/Native American Studies.                               | 5                | Education & Training          | 05.0202       |                |           |
| 05.0203       | Hispanic-American, Puerto Rican, and Mexican-American/Chicano Studies. | 5                | Education & Training          | 05.0203       |                |           |
| 05.0206       | Asian-American Studies.  | 5                | Education & Training          | 05.0206       |                |           |
| 05.0207       | Women's Studies.   | 5                | Education & Training          | 05.0207       |                |           |
| 05.0208       | Gay/Lesbian Studies.   | 5                | Education & Training          | 05.0208       |                |           |
| 05.0209       | Folklore Studies.  | 5                | Education & Training          | 05.0209       |                |           |
| 05.0210       | Disability Studies.  | 5                | Education & Training          | 05.0210       |                |           |
| 05.0211       | Deaf Studies.  | 5                | Education & Training          | 05.0211       |                |           |
| 05.0299       | Ethnic, Cultural Minority, Gender, and Group Studies, Other.           | 5                | Education & Training          | 05.0299       |                |           |

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|---------------|--|------------------|---|---------------|----------------|-----------|
| 09.0100       | Communication, General.  | 3                | Arts, Audio/Video Technology & Communications | 09.0100       |                |           |
| 09.0101       | Speech Communication and Rhetoric.                                 | 3                | Arts, Audio/Video Technology & Communications | 09.0101       |                |           |
| 09.0102       | Mass Communication/Media Studies.                                  | 3                | Arts, Audio/Video Technology & Communications | 09.0102       |                |           |
| 09.0199       | Communication and Media Studies, Other.                            | 3                | Arts, Audio/Video Technology & Communications | 09.0199       | <u>1/</u>      | See Notes |
| 09.0401       | Journalism.  | 3                | Arts, Audio/Video Technology & Communications | 09.0401       |                |           |
| 09.0402       | Broadcast Journalism.  | 3                | Arts, Audio/Video Technology & Communications | 09.0402       |                |           |
| 09.0404       | Photojournalism.   | 3                | Arts, Audio/Video Technology & Communications | 09.0404       | F <u>2/</u>    | See Notes |
| 09.0499       | Journalism, Other.   | 3                | Arts, Audio/Video Technology & Communications | 09.0499       |                |           |
| 09.0701       | Radio and Television.  | 3                | Arts, Audio/Video Technology & Communications | 09.0701       | F <u>2/</u>    | See Notes |
| 09.0702       | Digital Communication and Media/Multimedia.                        | 3                | Arts, Audio/Video Technology & Communications | 09.0702       |                |           |
| 09.0799       | Radio, Television, and Digital Communication, Other.               | 3                | Arts, Audio/Video Technology & Communications | 09.0799       | <u>1/</u>      | See Notes |
| 09.0900       | Public Relations, Advertising, and Applied Communication.          | 14               | Marketing                                     | 09.0900       |                |           |
| 09.0901       | Organizational Communication, General.                             | 14               | Marketing                                     | 09.0901       | <u>1/</u>      | See Notes |
| 09.0902       | Public Relations/Image Management.                                 | 14               | Marketing                                     | 09.0902       |                |           |
| 09.0903       | Advertising.   | 14               | Marketing                                     | 09.0903       |                |           |
| 09.0904       | Political Communication.   | 14               | Marketing                                     | 09.0904       |                |           |
| 09.0905       | Health Communication.  | 14               | Marketing                                     | 09.0905       |                |           |
| 09.0906       | Sports Communication.  | 3                | Arts, Audio/Video Technology & Communications | 09.0906       |                |           |
| 09.0907       | International and Intercultural Communication.                     | 3                | Arts, Audio/Video Technology & Communications | 09.0907       |                |           |
| 09.0908       | Technical and Scientific Communication.                            | 3                | Arts, Audio/Video Technology & Communications | 09.0908       |                |           |
| 09.0999       | Public Relations, Advertising, and Applied Communication, Other    | 14               | Marketing                                     | 09.0999       | <u>1/</u>      | See Notes |
| 09.1001       | Publishing.  | 3                | Arts, Audio/Video Technology & Communications | 09.1001       |                |           |
| 09.9999       | Communication, Journalism, and Related Programs, Other.            | 3                | Arts, Audio/Video Technology & Communications | 09.9999       |                |           |
| 10.0105       | Communications Technology/Technician.                              | 3                | Arts, Audio/Video Technology & Communications | 10.0105       | F              |           |
| 10.0201       | Photographic and Film/Video Technology/Technician and Assistant.   | 3                | Arts, Audio/Video Technology & Communications | 10.0201       | F              |           |
| 10.0202       | Radio and Television Broadcasting Technology/Technician.           | 3                | Arts, Audio/Video Technology & Communications | 10.0202       | F              |           |
| 10.0203       | Recording Arts Technology/Technician.                              | 3                | Arts, Audio/Video Technology & Communications | 10.0203       | F              |           |
| 10.0299       | Audiovisual Communications Technologies/Technicians, Other.        | 3                | Arts, Audio/Video Technology & Communications | 10.0299       | F              |           |
| 10.0301       | Graphic Communications, General.                                   | 3                | Arts, Audio/Video Technology & Communications | 10.0301       |                |           |
| 10.0302       | Printing Management.   | 3                | Arts, Audio/Video Technology & Communications | 10.0302       | F              |           |
| 10.0303       | Prepress/Desktop Publishing and Digital Imaging Design.            | 3                | Arts, Audio/Video Technology & Communications | 10.0303       | M              |           |
| 10.0304       | Animation, Interactive Technology, Video Graphics and Special Effe | 3                | Arts, Audio/Video Technology & Communications | 10.0304       |                |           |
| 10.0305       | Graphic and Printing Equipment Operator, General Production.       | 3                | Arts, Audio/Video Technology & Communications | 10.0305       | M <u>2/</u>    | See Notes |
| 10.0306       | Platemaker/Imager.   | 3                | Arts, Audio/Video Technology & Communications | 10.0306       |                |           |
| 10.0307       | Printing Press Operator.   | 3                | Arts, Audio/Video Technology & Communications | 10.0307       | F              |           |
| 10.0308       | Computer Typography and Composition Equipment Operator.            | 3                | Arts, Audio/Video Technology & Communications | 10.0308       | <u>1/</u>      | See Notes |
| 10.0399       | Graphic Communications, Other.                                     | 3                | Arts, Audio/Video Technology & Communications | 10.0399       | F              |           |
| 10.9999       | Communications Technologies/Technicians and Support Services, (    | 3                | Arts, Audio/Video Technology & Communications | 10.9999       | <u>1/</u>      | See Notes |
| 11.0101       | Computer and Information Sciences, General.                        | 11               | Information Technology                        | 11.0101       | F <u>2/</u>    | See Notes |
| 11.0102       | Artificial Intelligence.   | 11               | Information Technology                        | 11.0102       | F              |           |
| 11.0103       | Information Technology.  | 11               | Information Technology                        | 11.0103       | F              |           |
| 11.0104       | Informatics.   | 11               | Information Technology                        | 11.0104       | F              |           |
| 11.0199       | Computer and Information Sciences, Other.                          | 11               | Information Technology                        | 11.0199       |                |           |
| 11.0201       | Computer Programming/Programmer, General.                          | 11               | Information Technology                        | 11.0201       | F              |           |
| 11.0202       | Computer Programming, Specific Applications.                       | 11               | Information Technology                        | 11.0202       |                |           |
| 11.0203       | Computer Programming, Vendor/Product Certification.                | 11               | Information Technology                        | 11.0203       |                |           |
| 11.0299       | Computer Programming, Other.                                       | 11               | Information Technology                        | 11.0299       |                |           |

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|---------------|---|------------------|---|---------------|----------------|-----------|
| 11.0301       | Data Processing and Data Processing Technology/Technician.      | 11               | Information Technology                        | 11.0301       | F 2/           | See Notes |
| 11.0401       | Information Science/Studies.                                    | 11               | Information Technology                        | 11.0401       | F              |           |
| 11.0501       | Computer Systems Analysis/Analyst.                              | 11               | Information Technology                        | 11.0501       | F 2/           | See Notes |
| 11.0601       | Data Entry/Microcomputer Applications, General.                 | 4                | Business Management & Administration          | 11.0601       | M              |           |
| 11.0602       | Word Processing.  | 4                | Business Management & Administration          | 11.0602       | M              |           |
| 11.0699       | Data Entry/Microcomputer Applications, Other.                   | 4                | Business Management & Administration          | 11.0699       | 1/             | See Notes |
| 11.0701       | Computer Science.   | 11               | Information Technology                        | 11.0701       | F 2/           | See Notes |
| 11.0801       | Web Page, Digital/Multimedia and Information Resources Design.  | 11               | Information Technology                        | 11.0801       |                |           |
| 11.0802       | Data Modeling/Warehousing and Database Administration.          | 11               | Information Technology                        | 11.0802       |                |           |
| 11.0803       | Computer Graphics.  | 11               | Information Technology                        | 11.0803       |                |           |
| 11.0804       | Modeling, Virtual Environments and Simulation.                  | 11               | Information Technology                        | 11.0804       | F              |           |
| 11.0899       | Computer Software and Media Applications, Other.                | 11               | Information Technology                        | 11.0899       | 1/             | See Notes |
| 11.0901       | Computer Systems Networking and Telecommunications.             | 11               | Information Technology                        | 11.0901       | F              |           |
| 11.1001       | Network and System Administration/Administrator.                | 11               | Information Technology                        | 11.1001       | F              |           |
| 11.1002       | System, Networking, and LAN/WAN Management/Manager.             | 11               | Information Technology                        | 11.1002       | F              |           |
| 11.1003       | Computer and Information Systems Security/Information Assurance | 11               | Information Technology                        | 11.1003       | F              |           |
| 11.1004       | Web/Multimedia Management and Webmaster.                        | 11               | Information Technology                        | 11.1004       |                |           |
| 11.1005       | Information Technology Project Management.                      | 11               | Information Technology                        | 11.1005       |                |           |
| 11.1006       | Computer Support Specialist.                                    | 11               | Information Technology                        | 11.1006       |                |           |
| 11.1099       | Computer/Information Technology Services Administration and Man | 11               | Information Technology                        | 11.1099       | 1/             | See Notes |
| 11.9999       | Computer and Information Sciences and Support Services, Other.  | 11               | Information Technology                        | 11.9999       | 1/             | See Notes |
| 12.0301       | Funeral Service and Mortuary Science, General.                  | 10               | Human Services                                | 12.0301       | F              |           |
| 12.0302       | Funeral Direction/Service.                                      | 10               | Human Services                                | 12.0302       | F              |           |
| 12.0303       | Mortuary Science and Embalming/Embalmer.                        | 10               | Human Services                                | 12.0303       | F              |           |
| 12.0399       | Funeral Service and Mortuary Science, Other.                    | 10               | Human Services                                | 12.0399       | F              |           |
| 12.0401       | Cosmetology/Cosmetologist, General.                             | 10               | Human Services                                | 12.0401       | M              |           |
| 12.0402       | Barbering/Barber.   | 10               | Human Services                                | 12.0402       | F              |           |
| 12.0404       | Electrolysis/Electrology and Electrolysis Technician.           | 10               | Human Services                                | 12.0404       | M              |           |
| 12.0406       | Make-Up Artist/Specialist.                                      | 3                | Arts, Audio/Video Technology & Communications | 12.0406       | M              |           |
| 12.0407       | Hair Styling/Stylist and Hair Design.                           | 10               | Human Services                                | 12.0407       | M              |           |
| 12.0408       | Facial Treatment Specialist/Facialist.                          | 10               | Human Services                                | 12.0408       | M              |           |
| 12.0409       | Aesthetician/Esthetician and Skin Care Specialist.              | 10               | Human Services                                | 12.0409       | M              |           |
| 12.0410       | Nail Technician/Specialist and Manicurist.                      | 10               | Human Services                                | 12.0410       | M              |           |
| 12.0411       | Permanent Cosmetics/Makeup and Tattooing.                       | 10               | Human Services                                | 12.0411       | M              |           |
| 12.0412       | Salon/Beauty Salon Management/Manager.                          | 10               | Human Services                                | 12.0412       | M 2/           | See Notes |
| 12.0413       | Cosmetology, Barber/Styling, and Nail Instructor.               | 10               | Human Services                                | 12.0413       | M              |           |
| 12.0414       | Master Aesthetician/Esthetician.                                | 9                | Hospitality & Tourism                         | 12.0414       | M              |           |
| 12.0499       | Cosmetology and Related Personal Grooming Arts, Other.          | 10               | Human Services                                | 12.0499       | M              |           |
| 12.0500       | Cooking and Related Culinary Arts, General.                     | 9                | Hospitality & Tourism                         | 12.0500       | F              |           |
| 12.0501       | Baking and Pastry Arts/Baker/Pastry Chef.                       | 9                | Hospitality & Tourism                         | 12.0501       |                |           |
| 12.0502       | Bartending/Bartender.   | 9                | Hospitality & Tourism                         | 12.0502       |                |           |
| 12.0503       | Culinary Arts/Chef Training.                                    | 9                | Hospitality & Tourism                         | 12.0503       | F              |           |
| 12.0504       | Restaurant, Culinary, and Catering Management/Manager.          | 9                | Hospitality & Tourism                         | 12.0504       |                |           |
| 12.0505       | Food Preparation/Professional Cooking/Kitchen Assistant.        | 9                | Hospitality & Tourism                         | 12.0505       | F 2/           | See Notes |
| 12.0506       | Meat Cutting/Meat Cutter.                                       | 9                | Hospitality & Tourism                         | 12.0506       |                |           |
| 12.0507       | Food Service, Waiter/Waitress, and Dining Room Management/Mar   | 9                | Hospitality & Tourism                         | 12.0507       | F 2/           | See Notes |
| 12.0508       | Institutional Food Workers.                                     | 9                | Hospitality & Tourism                         | 12.0508       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010         | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|---------------------------------------|---------------|----------------|-----------|
| 12.0509       | Culinary Science/Culinology.  | 1                | Agriculture, Food & Natural Resources | 12.0509       | F              |           |
| 12.0510       | Wine Steward/Sommelier.   | 9                | Hospitality & Tourism                 | 12.0510       |                |           |
| 12.0599       | Culinary Arts and Related Services, Other.                            | 9                | Hospitality & Tourism                 | 12.0599       | <u>1/</u>      | See Notes |
| 12.9999       | Personal and Culinary Services, Other.                                | 9                | Hospitality & Tourism                 | 12.9999       | <u>1/</u>      | See Notes |
| 13.0101       | Education, General.   | 5                | Education & Training                  | 13.0101       | M              |           |
| 13.0201       | Bilingual and Multilingual Education.                                 | 5                | Education & Training                  | 13.0201       |                |           |
| 13.0202       | Multicultural Education.  | 5                | Education & Training                  | 13.0202       |                |           |
| 13.0203       | Indian/Native American Education.                                     | 5                | Education & Training                  | 13.0203       |                |           |
| 13.0299       | Bilingual, Multilingual, and Multicultural Education, Other.          | 5                | Education & Training                  | 13.0299       |                |           |
| 13.0301       | Curriculum and Instruction.   | 5                | Education & Training                  | 13.0301       |                |           |
| 13.0401       | Educational Leadership and Administration, General.                   | 5                | Education & Training                  | 13.0401       |                |           |
| 13.0402       | Administration of Special Education.                                  | 5                | Education & Training                  | 13.0402       |                |           |
| 13.0403       | Adult and Continuing Education Administration.                        | 5                | Education & Training                  | 13.0403       |                |           |
| 13.0404       | Educational, Instructional, and Curriculum Supervision.               | 5                | Education & Training                  | 13.0404       |                |           |
| 13.0406       | Higher Education/Higher Education Administration.                     | 5                | Education & Training                  | 13.0406       |                |           |
| 13.0407       | Community College Education.  | 5                | Education & Training                  | 13.0407       |                |           |
| 13.0408       | Elementary and Middle School Administration/Principalship.            | 5                | Education & Training                  | 13.0408       |                |           |
| 13.0409       | Secondary School Administration/Principalship.                        | 5                | Education & Training                  | 13.0409       |                |           |
| 13.0410       | Urban Education and Leadership.                                       | 5                | Education & Training                  | 13.0410       |                |           |
| 13.0411       | Superintendency and Educational System Administration.                | 5                | Education & Training                  | 13.0411       |                |           |
| 13.0499       | Educational Administration and Supervision, Other.                    | 5                | Education & Training                  | 13.0499       |                |           |
| 13.0501       | Educational/Instructional Technology.                                 | 5                | Education & Training                  | 13.0501       |                |           |
| 13.0601       | Educational Evaluation and Research.                                  | 5                | Education & Training                  | 13.0601       | <u>1/</u>      | See Notes |
| 13.0603       | Educational Statistics and Research Methods.                          | 5                | Education & Training                  | 13.0603       | <u>1/</u>      | See Notes |
| 13.0604       | Educational Assessment, Testing, and Measurement.                     | 5                | Education & Training                  | 13.0604       | <u>1/</u>      | See Notes |
| 13.0607       | Learning Sciences.  | 5                | Education & Training                  | 13.0607       |                |           |
| 13.0699       | Educational Assessment, Evaluation, and Research, Other.              | 5                | Education & Training                  | 13.0699       | <u>1/</u>      | See Notes |
| 13.0701       | International and Comparative Education.                              | 5                | Education & Training                  | 13.0701       | <u>1/</u>      | See Notes |
| 13.0901       | Social and Philosophical Foundations of Education.                    | 5                | Education & Training                  | 13.0901       | <u>1/</u>      | See Notes |
| 13.1001       | Special Education and Teaching, General.                              | 5                | Education & Training                  | 13.1001       |                |           |
| 13.1003       | Education/Teaching of Individuals with Hearing Impairments Including  | 5                | Education & Training                  | 13.1003       | M              |           |
| 13.1004       | Education/Teaching of the Gifted and Talented.                        | 5                | Education & Training                  | 13.1004       | <u>1/</u>      | See Notes |
| 13.1005       | Education/Teaching of Individuals with Emotional Disturbances.        | 5                | Education & Training                  | 13.1005       | M              |           |
| 13.1006       | Education/Teaching of Individuals with Mental Retardation.            | 5                | Education & Training                  | 13.1006       | M              |           |
| 13.1007       | Education/Teaching of Individuals with Multiple Disabilities.         | 5                | Education & Training                  | 13.1007       | M              |           |
| 13.1008       | Education/Teaching of Individuals with Orthopedic and Other Physic    | 5                | Education & Training                  | 13.1008       | M              |           |
| 13.1009       | Education/Teaching of Individuals with Vision Impairments Including   | 5                | Education & Training                  | 13.1009       | M              |           |
| 13.1011       | Education/Teaching of Individuals with Specific Learning Disabilities | 5                | Education & Training                  | 13.1011       | M              |           |
| 13.1012       | Education/Teaching of Individuals with Speech or Language Impairr     | 5                | Education & Training                  | 13.1012       | M              |           |
| 13.1013       | Education/Teaching of Individuals with Autism.                        | 5                | Education & Training                  | 13.1013       | M              |           |
| 13.1014       | Education/Teaching of Individuals Who are Developmentally Delaye      | 5                | Education & Training                  | 13.1014       | M              |           |
| 13.1015       | Education/Teaching of Individuals in Early Childhood Special Educa    | 5                | Education & Training                  | 13.1015       | M              |           |
| 13.1016       | Education/Teaching of Individuals with Traumatic Brain Injuries.      | 5                | Education & Training                  | 13.1016       | M              |           |
| 13.1017       | Education/Teaching of Individuals in Elementary Special Education     | 5                | Education & Training                  | 13.1017       | M              |           |
| 13.1018       | Education/Teaching of Individuals in Junior High/Middle School Spe    | 5                | Education & Training                  | 13.1018       | M              |           |
| 13.1019       | Education/Teaching of Individuals in Secondary Special Education F    | 5                | Education & Training                  | 13.1019       | M              |           |
| 13.1099       | Special Education and Teaching, Other.                                | 5                | Education & Training                  | 13.1099       | M              |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010 | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|--|------------------|-------------------------------|---------------|----------------|-----------|
| 13.1101       | Counselor Education/School Counseling and Guidance Services.                 | 5                | Education & Training          | 13.1101       |                |           |
| 13.1102       | College Student Counseling and Personnel Services.                           | 5                | Education & Training          | 13.1102       |                |           |
| 13.1199       | Student Counseling and Personnel Services, Other.                            | 5                | Education & Training          | 13.1199       |                |           |
| 13.1201       | Adult and Continuing Education and Teaching.                                 | 5                | Education & Training          | 13.1201       |                |           |
| 13.1202       | Elementary Education and Teaching.   | 5                | Education & Training          | 13.1202       | M              |           |
| 13.1203       | Junior High/Intermediate/Middle School Education and Teaching.               | 5                | Education & Training          | 13.1203       | M              |           |
| 13.1205       | Secondary Education and Teaching.  | 5                | Education & Training          | 13.1205       |                |           |
| 13.1206       | Teacher Education, Multiple Levels.  | 5                | Education & Training          | 13.1206       | M              |           |
| 13.1207       | Montessori Teacher Education.  | 5                | Education & Training          | 13.1207       |                |           |
| 13.1208       | Waldorf/Steiner Teacher Education.   | 5                | Education & Training          | 13.1208       |                |           |
| 13.1209       | Kindergarten/Preschool Education and Teaching.                               | 5                | Education & Training          | 13.1209       | M              |           |
| 13.1210       | Early Childhood Education and Teaching.                                      | 5                | Education & Training          | 13.1210       | M              |           |
| 13.1299       | Teacher Education and Professional Development, Specific Levels and Fields   | 5                | Education & Training          | 13.1299       | <u>1/</u>      | See Notes |
| 13.1301       | Agricultural Teacher Education.  | 5                | Education & Training          | 13.1301       |                |           |
| 13.1302       | Art Teacher Education.   | 5                | Education & Training          | 13.1302       |                |           |
| 13.1303       | Business Teacher Education.  | 5                | Education & Training          | 13.1303       |                |           |
| 13.1304       | Driver and Safety Teacher Education.   | 5                | Education & Training          | 13.1304       |                |           |
| 13.1305       | English/Language Arts Teacher Education.                                     | 5                | Education & Training          | 13.1305       |                |           |
| 13.1306       | Foreign Language Teacher Education.  | 5                | Education & Training          | 13.1306       |                |           |
| 13.1307       | Health Teacher Education.  | 5                | Education & Training          | 13.1307       |                |           |
| 13.1308       | Family and Consumer Sciences/Home Economics Teacher Education.               | 5                | Education & Training          | 13.1308       |                |           |
| 13.1309       | Technology Teacher Education/Industrial Arts Teacher Education.              | 5                | Education & Training          | 13.1309       |                |           |
| 13.1310       | Sales and Marketing Operations/Marketing and Distribution Teacher Education. | 5                | Education & Training          | 13.1310       |                |           |
| 13.1311       | Mathematics Teacher Education.   | 5                | Education & Training          | 13.1311       |                |           |
| 13.1312       | Music Teacher Education.   | 5                | Education & Training          | 13.1312       |                |           |
| 13.1314       | Physical Education Teaching and Coaching.                                    | 5                | Education & Training          | 13.1314       |                |           |
| 13.1315       | Reading Teacher Education.   | 5                | Education & Training          | 13.1315       |                |           |
| 13.1316       | Science Teacher Education/General Science Teacher Education.                 | 5                | Education & Training          | 13.1316       |                |           |
| 13.1317       | Social Science Teacher Education.  | 5                | Education & Training          | 13.1317       |                |           |
| 13.1318       | Social Studies Teacher Education.  | 5                | Education & Training          | 13.1318       |                |           |
| 13.1319       | Technical Teacher Education.   | 5                | Education & Training          | 13.1319       |                |           |
| 13.1320       | Trade and Industrial Teacher Education.                                      | 5                | Education & Training          | 13.1320       |                |           |
| 13.1321       | Computer Teacher Education.  | 5                | Education & Training          | 13.1321       |                |           |
| 13.1322       | Biology Teacher Education.   | 5                | Education & Training          | 13.1322       |                |           |
| 13.1323       | Chemistry Teacher Education.   | 5                | Education & Training          | 13.1323       |                |           |
| 13.1324       | Drama and Dance Teacher Education.   | 5                | Education & Training          | 13.1324       |                |           |
| 13.1325       | French Language Teacher Education.   | 5                | Education & Training          | 13.1325       |                |           |
| 13.1326       | German Language Teacher Education.   | 5                | Education & Training          | 13.1326       |                |           |
| 13.1327       | Health Occupations Teacher Education.  | 5                | Education & Training          | 13.1327       |                |           |
| 13.1328       | History Teacher Education.   | 5                | Education & Training          | 13.1328       |                |           |
| 13.1329       | Physics Teacher Education.   | 5                | Education & Training          | 13.1329       |                |           |
| 13.1330       | Spanish Language Teacher Education.  | 5                | Education & Training          | 13.1330       |                |           |
| 13.1331       | Speech Teacher Education.  | 5                | Education & Training          | 13.1331       |                |           |
| 13.1332       | Geography Teacher Education.   | 5                | Education & Training          | 13.1332       |                |           |
| 13.1333       | Latin Teacher Education.   | 5                | Education & Training          | 13.1333       |                |           |
| 13.1334       | School Librarian/School Library Media Specialist.                            | 5                | Education & Training          | 13.1334       | M              |           |
| 13.1335       | Psychology Teacher Education.  | 5                | Education & Training          | 13.1335       |                |           |

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| CIP 6<br>2010 | CIP Title_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--|---------------|----------------|-----------|
| 13.1337       | Earth Science Teacher Education.                                  | 5                | Education & Training                           | 13.1337       |                |           |
| 13.1338       | Environmental Education.  | 5                | Education & Training                           | 13.1338       |                |           |
| 13.1399       | Teacher Education and Professional Development, Specific Subject  | 5                | Education & Training                           | 13.1399       | <u>1/</u>      | See Notes |
| 13.1401       | Teaching English as a Second or Foreign Language/ESL Language     | 5                | Education & Training                           | 13.1401       |                |           |
| 13.1402       | Teaching French as a Second or Foreign Language.                  | 5                | Education & Training                           | 13.1402       | <u>1/</u>      | See Notes |
| 13.1499       | Teaching English or French as a Second or Foreign Language, Other | 5                | Education & Training                           | 13.1499       | <u>1/</u>      | See Notes |
| 13.1501       | Teacher Assistant/Aide.   | 5                | Education & Training                           | 13.1501       | M              |           |
| 13.1502       | Adult Literacy Tutor/Instructor.                                  | 5                | Education & Training                           | 13.1502       |                |           |
| 13.1599       | Teaching Assistants/Aides, Other.                                 | 5                | Education & Training                           | 13.1599       | <u>1/</u>      | See Notes |
| 13.9999       | Education, Other.   | 5                | Education & Training                           | 13.9999       | <u>1/</u>      | See Notes |
| 14.0101       | Engineering, General.   | 15               | Science, Technology, Engineering & Mathematics | 14.0101       | F              |           |
| 14.0102       | Pre-Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.0102       | <u>1/</u>      | See Notes |
| 14.0201       | Aerospace, Aeronautical and Astronautical/Space Engineering.      | 15               | Science, Technology, Engineering & Mathematics | 14.0201       | F              |           |
| 14.0301       | Agricultural Engineering.   | 15               | Science, Technology, Engineering & Mathematics | 14.0301       | F              |           |
| 14.0401       | Architectural Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.0401       | F              |           |
| 14.0501       | Bioengineering and Biomedical Engineering.                        | 15               | Science, Technology, Engineering & Mathematics | 14.0501       | F <u>2/</u>    | See Notes |
| 14.0601       | Ceramic Sciences and Engineering.                                 | 15               | Science, Technology, Engineering & Mathematics | 14.0601       | F              |           |
| 14.0701       | Chemical Engineering.   | 15               | Science, Technology, Engineering & Mathematics | 14.0701       | F              |           |
| 14.0702       | Chemical and Biomolecular Engineering.                            | 15               | Science, Technology, Engineering & Mathematics | 14.0702       | F              |           |
| 14.0799       | Chemical Engineering, Other.                                      | 15               | Science, Technology, Engineering & Mathematics | 14.0799       | F              |           |
| 14.0801       | Civil Engineering, General.                                       | 15               | Science, Technology, Engineering & Mathematics | 14.0801       | F              |           |
| 14.0802       | Geotechnical and Geoenvironmental Engineering.                    | 15               | Science, Technology, Engineering & Mathematics | 14.0802       | F              |           |
| 14.0803       | Structural Engineering.   | 15               | Science, Technology, Engineering & Mathematics | 14.0803       | F              |           |
| 14.0804       | Transportation and Highway Engineering.                           | 15               | Science, Technology, Engineering & Mathematics | 14.0804       | F              |           |
| 14.0805       | Water Resources Engineering.                                      | 15               | Science, Technology, Engineering & Mathematics | 14.0805       | F              |           |
| 14.0899       | Civil Engineering, Other.   | 15               | Science, Technology, Engineering & Mathematics | 14.0899       | F              |           |
| 14.0901       | Computer Engineering, General.                                    | 11               | Information Technology                         | 14.0901       | F              |           |
| 14.0902       | Computer Hardware Engineering.                                    | 15               | Science, Technology, Engineering & Mathematics | 14.0902       | F              |           |
| 14.0903       | Computer Software Engineering.                                    | 11               | Information Technology                         | 14.0903       | F              |           |
| 14.0999       | Computer Engineering, Other.                                      | 11               | Information Technology                         | 14.0999       | F <u>2/</u>    | See Notes |
| 14.1001       | Electrical and Electronics Engineering                            | 15               | Science, Technology, Engineering & Mathematics | 14.1001       | F              |           |
| 14.1003       | Laser and Optical Engineering.                                    | 15               | Science, Technology, Engineering & Mathematics | 14.1003       | F              |           |
| 14.1004       | Telecommunications Engineering.                                   | 15               | Science, Technology, Engineering & Mathematics | 14.1004       | F              |           |
| 14.1099       | Electrical, Electronics and Communications Engineering, Other.    | 15               | Science, Technology, Engineering & Mathematics | 14.1099       | F              |           |
| 14.1101       | Engineering Mechanics.  | 15               | Science, Technology, Engineering & Mathematics | 14.1101       | F              |           |
| 14.1201       | Engineering Physics/Applied Physics.                              | 15               | Science, Technology, Engineering & Mathematics | 14.1201       | F              |           |
| 14.1301       | Engineering Science.  | 15               | Science, Technology, Engineering & Mathematics | 14.1301       | F              |           |
| 14.1401       | Environmental/Environmental Health Engineering.                   | 15               | Science, Technology, Engineering & Mathematics | 14.1401       | F              |           |
| 14.1801       | Materials Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.1801       | F              |           |
| 14.1901       | Mechanical Engineering.   | 15               | Science, Technology, Engineering & Mathematics | 14.1901       | F              |           |
| 14.2001       | Metallurgical Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.2001       | F              |           |
| 14.2101       | Mining and Mineral Engineering.                                   | 15               | Science, Technology, Engineering & Mathematics | 14.2101       | F              |           |
| 14.2201       | Naval Architecture and Marine Engineering.                        | 15               | Science, Technology, Engineering & Mathematics | 14.2201       | F              |           |
| 14.2301       | Nuclear Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.2301       | F              |           |
| 14.2401       | Ocean Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.2401       | F              |           |
| 14.2501       | Petroleum Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.2501       | F              |           |
| 14.2701       | Systems Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.2701       | F              |           |

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| CIP 6<br>2010 | CIPTitle_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|--|------------------|--|---------------|----------------|-----------|
| 14.2801       | Textile Sciences and Engineering.                                    | 15               | Science, Technology, Engineering & Mathematics | 14.2801       | F              |           |
| 14.3201       | Polymer/Plastics Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.3201       | F              |           |
| 14.3301       | Construction Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.3301       | F              |           |
| 14.3401       | Forest Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.3401       | F              |           |
| 14.3501       | Industrial Engineering.  | 15               | Science, Technology, Engineering & Mathematics | 14.3501       | F              |           |
| 14.3601       | Manufacturing Engineering.   | 15               | Science, Technology, Engineering & Mathematics | 14.3601       | F              |           |
| 14.3701       | Operations Research.   | 4                | Business Management & Administration           | 14.3701       |                |           |
| 14.3801       | Surveying Engineering.   | 15               | Science, Technology, Engineering & Mathematics | 14.3801       | F              |           |
| 14.3901       | Geological/Geophysical Engineering.                                  | 15               | Science, Technology, Engineering & Mathematics | 14.3901       | F              |           |
| 14.4001       | Paper Science and Engineering.                                       | 15               | Science, Technology, Engineering & Mathematics | 14.4001       | F              |           |
| 14.4101       | Electromechanical Engineering.                                       | 15               | Science, Technology, Engineering & Mathematics | 14.4101       | F              |           |
| 14.4201       | Mechatronics, Robotics, and Automation Engineering.                  | 15               | Science, Technology, Engineering & Mathematics | 14.4201       | F              |           |
| 14.4301       | Biochemical Engineering.   | 15               | Science, Technology, Engineering & Mathematics | 14.4301       | F              |           |
| 14.4401       | Engineering Chemistry.   | 15               | Science, Technology, Engineering & Mathematics | 14.4401       | F              |           |
| 14.4501       | Biological/Biosystems Engineering.                                   | 15               | Science, Technology, Engineering & Mathematics | 14.4501       |                |           |
| 14.9999       | Engineering, Other.  | 15               | Science, Technology, Engineering & Mathematics | 14.9999       | F              |           |
| 15.0000       | Engineering Technology, General.                                     | 15               | Science, Technology, Engineering & Mathematics | 15.0000       | <u>1/</u>      | See Notes |
| 15.0101       | Architectural Engineering Technology/Technician.                     | 2                | Architecture & Construction                    | 15.0101       | F              |           |
| 15.0201       | Civil Engineering Technology/Technician.                             | 2                | Architecture & Construction                    | 15.0201       | F              |           |
| 15.0303       | Electrical, Electronic and Communications Engineering Technology/    | 13               | Manufacturing                                  | 15.0303       | F              |           |
| 15.0304       | Laser and Optical Technology/Technician.                             | 13               | Manufacturing                                  | 15.0304       | F              |           |
| 15.0305       | Telecommunications Technology/Technician.                            | 13               | Manufacturing                                  | 15.0305       | F              |           |
| 15.0306       | Integrated Circuit Design.   | 15               | Science, Technology, Engineering & Mathematics | 15.0306       | F              |           |
| 15.0399       | Electrical and Electronic Engineering Technologies/Technicians, Oth  | 13               | Manufacturing                                  | 15.0399       | F              |           |
| 15.0401       | Biomedical Technology/Technician.                                    | 13               | Manufacturing                                  | 15.0401       | F              |           |
| 15.0403       | Electromechanical Technology/Electromechanical Engineering Tech      | 13               | Manufacturing                                  | 15.0403       | F <u>2/</u>    | See Notes |
| 15.0404       | Instrumentation Technology/Technician.                               | 13               | Manufacturing                                  | 15.0404       | F              |           |
| 15.0405       | Robotics Technology/Technician.                                      | 13               | Manufacturing                                  | 15.0405       | F <u>2/</u>    | See Notes |
| 15.0406       | Automation Engineer Technology/Technician.                           | 15               | Science, Technology, Engineering & Mathematics | 15.0406       | F              |           |
| 15.0499       | Electromechanical and Instrumentation and Maintenance Technolog      | 13               | Manufacturing                                  | 15.0499       | F              |           |
| 15.0501       | Heating, Ventilation, Air Conditioning and Refrigeration Engineering | 13               | Manufacturing                                  | 15.0501       | F              |           |
| 15.0503       | Energy Management and Systems Technology/Technician.                 | 2                | Architecture & Construction                    | 15.0503       | F              |           |
| 15.0505       | Solar Energy Technology/Technician.                                  | 13               | Manufacturing                                  | 15.0505       | F              |           |
| 15.0506       | Water Quality and Wastewater Treatment Management and Recycli        | 1                | Agriculture, Food & Natural Resources          | 15.0506       | F              |           |
| 15.0507       | Environmental Engineering Technology/Environmental Technology.       | 1                | Agriculture, Food & Natural Resources          | 15.0507       | F              |           |
| 15.0508       | Hazardous Materials Management and Waste Technology/Technicia        | 1                | Agriculture, Food & Natural Resources          | 15.0508       | F              |           |
| 15.0599       | Environmental Control Technologies/Technicians, Other.               | 1                | Agriculture, Food & Natural Resources          | 15.0599       | F              |           |
| 15.0607       | Plastics and Polymer Engineering Technology/Technician.              | 13               | Manufacturing                                  | 15.0607       | F              |           |
| 15.0611       | Metallurgical Technology/Technician.                                 | 13               | Manufacturing                                  | 15.0611       | F              |           |
| 15.0612       | Industrial Technology/Technician.                                    | 13               | Manufacturing                                  | 15.0612       | F              |           |
| 15.0613       | Manufacturing Engineering Technology/Technician.                     | 13               | Manufacturing                                  | 15.0613       | F              |           |
| 15.0614       | Welding Engineering Technology/Technician.                           | 15               | Science, Technology, Engineering & Mathematics | 15.0614       | F              |           |
| 15.0615       | Chemical Engineering Technology/Technician.                          | 15               | Science, Technology, Engineering & Mathematics | 15.0615       | F              |           |
| 15.0616       | Semiconductor Manufacturing Technology.                              | 15               | Science, Technology, Engineering & Mathematics | 15.0616       | F              |           |
| 15.0699       | Industrial Production Technologies/Technicians, Other.               | 13               | Manufacturing                                  | 15.0699       | F              |           |
| 15.0701       | Occupational Safety and Health Technology/Technician.                | 7                | Government & Public Administration             | 15.0701       |                |           |
| 15.0702       | Quality Control Technology/Technician.                               | 13               | Manufacturing                                  | 15.0702       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--|---------------|----------------|-----------|
| 15.0703       | Industrial Safety Technology/Technician.                            | 7                | Government & Public Administration             | 15.0703       |                |           |
| 15.0704       | Hazardous Materials Information Systems Technology/Technician.      | 15               | Science, Technology, Engineering & Mathematics | 15.0704       | F              |           |
| 15.0799       | Quality Control and Safety Technologies/Technicians, Other.         | 13               | Manufacturing                                  | 15.0799       | <u>1/</u>      | See Notes |
| 15.0801       | Aeronautical/Aerospace Engineering Technology/Technician.           | 13               | Manufacturing                                  | 15.0801       | F              |           |
| 15.0803       | Automotive Engineering Technology/Technician.                       | 16               | Transportation, Distribution & Logistics       | 15.0803       | F              |           |
| 15.0805       | Mechanical Engineering/Mechanical Technology/Technician.            | 13               | Manufacturing                                  | 15.0805       | F              |           |
| 15.0899       | Mechanical Engineering Related Technologies/Technicians, Other.     | 13               | Manufacturing                                  | 15.0899       | F              |           |
| 15.0901       | Mining Technology/Technician.                                       | 1                | Agriculture, Food & Natural Resources          | 15.0901       | F              |           |
| 15.0903       | Petroleum Technology/Technician.                                    | 1                | Agriculture, Food & Natural Resources          | 15.0903       | F              |           |
| 15.0999       | Mining and Petroleum Technologies/Technicians, Other.               | 1                | Agriculture, Food & Natural Resources          | 15.0999       | F              |           |
| 15.1001       | Construction Engineering Technology/Technician.                     | 2                | Architecture & Construction                    | 15.1001       | F              |           |
| 15.1102       | Surveying Technology/Surveying.                                     | 15               | Science, Technology, Engineering & Mathematics | 15.1102       | F              |           |
| 15.1103       | Hydraulics and Fluid Power Technology/Technician.                   | 13               | Manufacturing                                  | 15.1103       | F              |           |
| 15.1199       | Engineering-Related Technologies, Other.                            | 13               | Manufacturing                                  | 15.1199       | <u>1/</u>      | See Notes |
| 15.1201       | Computer Engineering Technology/Technician.                         | 13               | Manufacturing                                  | 15.1201       | F              |           |
| 15.1202       | Computer Technology/Computer Systems Technology.                    | 13               | Manufacturing                                  | 15.1202       | F              |           |
| 15.1203       | Computer Hardware Technology/Technician.                            | 13               | Manufacturing                                  | 15.1203       | F <u>2/</u>    | See Notes |
| 15.1204       | Computer Software Technology/Technician.                            | 13               | Manufacturing                                  | 15.1204       | F <u>2/</u>    | See Notes |
| 15.1299       | Computer Engineering Technologies/Technicians, Other.               | 13               | Manufacturing                                  | 15.1299       | <u>1/</u>      | See Notes |
| 15.1301       | Drafting and Design Technology/Technician, General.                 | 13               | Manufacturing                                  | 15.1301       | F              |           |
| 15.1302       | CAD/CADD Drafting and/or Design Technology/Technician.              | 13               | Manufacturing                                  | 15.1302       | F              |           |
| 15.1303       | Architectural Drafting and Architectural CAD/CADD.                  | 2                | Architecture & Construction                    | 15.1303       | F              |           |
| 15.1304       | Civil Drafting and Civil Engineering CAD/CADD.                      | 2                | Architecture & Construction                    | 15.1304       | F              |           |
| 15.1305       | Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD | 2                | Architecture & Construction                    | 15.1305       | F              |           |
| 15.1306       | Mechanical Drafting and Mechanical Drafting CAD/CADD.               | 2                | Architecture & Construction                    | 15.1306       | F              |           |
| 15.1399       | Drafting/Design Engineering Technologies/Technicians, Other.        | 2                | Architecture & Construction                    | 15.1399       | F              |           |
| 15.1401       | Nuclear Engineering Technology/Technician.                          | 13               | Manufacturing                                  | 15.1401       |                |           |
| 15.1501       | Engineering/Industrial Management.                                  | 15               | Science, Technology, Engineering & Mathematics | 15.1501       | F              |           |
| 15.1502       | Engineering Design.   | 15               | Science, Technology, Engineering & Mathematics | 15.1502       | F              |           |
| 15.1503       | Packaging Science.  | 15               | Science, Technology, Engineering & Mathematics | 15.1503       |                |           |
| 15.1599       | Engineering-Related Fields, Other.                                  | 15               | Science, Technology, Engineering & Mathematics | 15.1599       | <u>1/</u>      | See Notes |
| 15.1601       | Nanotechnology.   | 15               | Science, Technology, Engineering & Mathematics | 15.1601       | F              |           |
| 15.9999       | Engineering Technologies and Engineering-Related Fields, Other.     | 15               | Science, Technology, Engineering & Mathematics | 15.9999       | <u>1/</u>      | See Notes |
| 16.0101       | Foreign Languages and Literatures, General.                         | 5                | Education & Training                           | 16.0101       |                |           |
| 16.0102       | Linguistics.  | 5                | Education & Training                           | 16.0102       |                |           |
| 16.0103       | Language Interpretation and Translation.                            | 5                | Education & Training                           | 16.0103       |                |           |
| 16.0104       | Comparative Literature.   | 5                | Education & Training                           | 16.0104       |                |           |
| 16.0105       | Applied Linguistics.  | 5                | Education & Training                           | 16.0105       |                |           |
| 16.0199       | Linguistic, Comparative, and Related Language Studies and Service   | 5                | Education & Training                           | 16.0199       |                |           |
| 16.0201       | African Languages, Literatures, and Linguistics.                    | 5                | Education & Training                           | 16.0201       |                |           |
| 16.0300       | East Asian Languages, Literatures, and Linguistics, General.        | 5                | Education & Training                           | 16.0300       |                |           |
| 16.0301       | Chinese Language and Literature.                                    | 5                | Education & Training                           | 16.0301       |                |           |
| 16.0302       | Japanese Language and Literature.                                   | 5                | Education & Training                           | 16.0302       |                |           |
| 16.0303       | Korean Language and Literature.                                     | 5                | Education & Training                           | 16.0303       |                |           |
| 16.0304       | Tibetan Language and Literature.                                    | 5                | Education & Training                           | 16.0304       |                |           |
| 16.0399       | East Asian Languages, Literatures, and Linguistics, Other.          | 5                | Education & Training                           | 16.0399       |                |           |
| 16.0400       | Slavic Languages, Literatures, and Linguistics, General.            | 5                | Education & Training                           | 16.0400       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6 2010 | CIPTitle_2010   | Rec Clust No. | Recommended Cluster Name_2010 | CIP 6 2010 | Nontraditional | Notes |
|------------|---|---------------|-------------------------------|------------|----------------|-------|
| 16.0401    | Baltic Languages, Literatures, and Linguistics.                       | 5             | Education & Training          | 16.0401    |                |       |
| 16.0402    | Russian Language and Literature.                                      | 5             | Education & Training          | 16.0402    |                |       |
| 16.0404    | Albanian Language and Literature.                                     | 5             | Education & Training          | 16.0404    |                |       |
| 16.0405    | Bulgarian Language and Literature.                                    | 5             | Education & Training          | 16.0405    |                |       |
| 16.0406    | Czech Language and Literature.  | 5             | Education & Training          | 16.0406    |                |       |
| 16.0407    | Polish Language and Literature.                                       | 5             | Education & Training          | 16.0407    |                |       |
| 16.0408    | Bosnian, Serbian, and Croatian Languages and Literatures.             | 5             | Education & Training          | 16.0408    |                |       |
| 16.0409    | Slovak Language and Literature.                                       | 5             | Education & Training          | 16.0409    |                |       |
| 16.0410    | Ukrainian Language and Literature.                                    | 5             | Education & Training          | 16.0410    |                |       |
| 16.0499    | Slavic, Baltic, and Albanian Languages, Literatures, and Linguistics, | 5             | Education & Training          | 16.0499    |                |       |
| 16.0500    | Germanic Languages, Literatures, and Linguistics, General.            | 5             | Education & Training          | 16.0500    |                |       |
| 16.0501    | German Language and Literature.                                       | 5             | Education & Training          | 16.0501    |                |       |
| 16.0502    | Scandinavian Languages, Literatures, and Linguistics.                 | 5             | Education & Training          | 16.0502    |                |       |
| 16.0503    | Danish Language and Literature.                                       | 5             | Education & Training          | 16.0503    |                |       |
| 16.0504    | Dutch/Flemish Language and Literature.                                | 5             | Education & Training          | 16.0504    |                |       |
| 16.0505    | Norwegian Language and Literature.                                    | 5             | Education & Training          | 16.0505    |                |       |
| 16.0506    | Swedish Language and Literature.                                      | 5             | Education & Training          | 16.0506    |                |       |
| 16.0599    | Germanic Languages, Literatures, and Linguistics, Other.              | 5             | Education & Training          | 16.0599    |                |       |
| 16.0601    | Modern Greek Language and Literature.                                 | 5             | Education & Training          | 16.0601    |                |       |
| 16.0700    | South Asian Languages, Literatures, and Linguistics, General.         | 5             | Education & Training          | 16.0700    |                |       |
| 16.0701    | Hindi Language and Literature.  | 5             | Education & Training          | 16.0701    |                |       |
| 16.0702    | Sanskrit and Classical Indian Languages, Literatures, and Linguistic  | 5             | Education & Training          | 16.0702    |                |       |
| 16.0704    | Bengali Language and Literature.                                      | 5             | Education & Training          | 16.0704    |                |       |
| 16.0705    | Punjabi Language and Literature.                                      | 5             | Education & Training          | 16.0705    |                |       |
| 16.0706    | Tamil Language and Literature.  | 5             | Education & Training          | 16.0706    |                |       |
| 16.0707    | Urdu Language and Literature.   | 5             | Education & Training          | 16.0707    |                |       |
| 16.0799    | South Asian Languages, Literatures, and Linguistics, Other.           | 5             | Education & Training          | 16.0799    |                |       |
| 16.0801    | Iranian Languages, Literatures, and Linguistics.                      | 5             | Education & Training          | 16.0801    |                |       |
| 16.0900    | Romance Languages, Literatures, and Linguistics, General.             | 5             | Education & Training          | 16.0900    |                |       |
| 16.0901    | French Language and Literature.                                       | 5             | Education & Training          | 16.0901    |                |       |
| 16.0902    | Italian Language and Literature.                                      | 5             | Education & Training          | 16.0902    |                |       |
| 16.0904    | Portuguese Language and Literature.                                   | 5             | Education & Training          | 16.0904    |                |       |
| 16.0905    | Spanish Language and Literature.                                      | 5             | Education & Training          | 16.0905    |                |       |
| 16.0906    | Romanian Language and Literature.                                     | 5             | Education & Training          | 16.0906    |                |       |
| 16.0907    | Catalan Language and Literature.                                      | 5             | Education & Training          | 16.0907    |                |       |
| 16.0908    | Hispanic and Latin American Languages, Literatures, and Linguistic    | 5             | Education & Training          | 16.0908    |                |       |
| 16.0999    | Romance Languages, Literatures, and Linguistics, Other.               | 5             | Education & Training          | 16.0999    |                |       |
| 16.1001    | American Indian/Native American Languages, Literatures, and Lingu     | 5             | Education & Training          | 16.1001    |                |       |
| 16.1100    | Middle/Near Eastern and Semitic Languages, Literatures, and Lingu     | 5             | Education & Training          | 16.1100    |                |       |
| 16.1101    | Arabic Language and Literature.                                       | 5             | Education & Training          | 16.1101    |                |       |
| 16.1102    | Hebrew Language and Literature.                                       | 5             | Education & Training          | 16.1102    |                |       |
| 16.1103    | Ancient Near Eastern and Biblical Languages, Literatures, and Lingu   | 5             | Education & Training          | 16.1103    |                |       |
| 16.1199    | Middle/Near Eastern and Semitic Languages, Literatures, and Lingu     | 5             | Education & Training          | 16.1199    |                |       |
| 16.1200    | Classics and Classical Languages, Literatures, and Linguistics, Ger   | 5             | Education & Training          | 16.1200    |                |       |
| 16.1202    | Ancient/Classical Greek Language and Literature.                      | 5             | Education & Training          | 16.1202    |                |       |
| 16.1203    | Latin Language and Literature.  | 5             | Education & Training          | 16.1203    |                |       |
| 16.1299    | Classics and Classical Languages, Literatures, and Linguistics, Oth   | 5             | Education & Training          | 16.1299    |                |       |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                 | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|---|---------------|----------------|-----------|
| 16.1301       | Celtic Languages, Literatures, and Linguistics.                     | 5                | Education & Training                          | 16.1301       |                |           |
| 16.1400       | Southeast Asian Languages, Literatures, and Linguistics, General.   | 5                | Education & Training                          | 16.1400       |                |           |
| 16.1401       | Australian/Oceanic/Pacific Languages, Literatures, and Linguistics. | 5                | Education & Training                          | 16.1401       |                |           |
| 16.1402       | Indonesian/Malay Languages and Literatures.                         | 5                | Education & Training                          | 16.1402       |                |           |
| 16.1403       | Burmese Language and Literature.                                    | 5                | Education & Training                          | 16.1403       |                |           |
| 16.1404       | Filipino/Tagalog Language and Literature.                           | 5                | Education & Training                          | 16.1404       |                |           |
| 16.1405       | Khmer/Cambodian Language and Literature.                            | 5                | Education & Training                          | 16.1405       |                |           |
| 16.1406       | Lao Language and Literature.  | 5                | Education & Training                          | 16.1406       |                |           |
| 16.1407       | Thai Language and Literature.                                       | 5                | Education & Training                          | 16.1407       |                |           |
| 16.1408       | Vietnamese Language and Literature.                                 | 5                | Education & Training                          | 16.1408       |                |           |
| 16.1499       | Southeast Asian and Australasian/Pacific Languages, Literatures, a  | 5                | Education & Training                          | 16.1499       |                |           |
| 16.1501       | Turkish Language and Literature.                                    | 5                | Education & Training                          | 16.1501       |                |           |
| 16.1502       | Uralic Languages, Literatures, and Linguistics.                     | 5                | Education & Training                          | 16.1502       |                |           |
| 16.1503       | Hungarian/Magyar Language and Literature.                           | 5                | Education & Training                          | 16.1503       |                |           |
| 16.1504       | Mongolian Language and Literature.                                  | 5                | Education & Training                          | 16.1504       |                |           |
| 16.1599       | Turkic, Uralic-Altaic, Caucasian, and Central Asian Languages, Lite | 5                | Education & Training                          | 16.1599       |                |           |
| 16.1601       | American Sign Language (ASL).                                       | 5                | Education & Training                          | 16.1601       |                |           |
| 16.1602       | Linguistics of ASL and Other Sign Languages.                        | 5                | Education & Training                          | 16.1602       |                |           |
| 16.1603       | Sign Language Interpretation and Translation.                       | 5                | Education & Training                          | 16.1603       |                |           |
| 16.1699       | American Sign Language, Other.                                      | 5                | Education & Training                          | 16.1699       |                |           |
| 16.9999       | Foreign Languages, Literatures, and Linguistics, Other.             | 5                | Education & Training                          | 16.9999       |                |           |
| 19.0000       | Work and Family Studies.  | 5                | Education & Training                          | 19.0000       | <u>1/</u>      | See Notes |
| 19.0101       | Family and Consumer Sciences/Human Sciences, General.               | 5                | Education & Training                          | 19.0101       |                |           |
| 19.0201       | Business Family and Consumer Sciences/Human Sciences.               | 5                | Education & Training                          | 19.0201       |                |           |
| 19.0202       | Family and Consumer Sciences/Human Sciences Communication.          | 3                | Arts, Audio/Video Technology & Communications | 19.0202       |                |           |
| 19.0203       | Consumer Merchandising/Retailing Management.                        | 14               | Marketing                                     | 19.0203       |                |           |
| 19.0299       | Family and Consumer Sciences/Human Sciences Business Service        | 5                | Education & Training                          | 19.0299       | <u>1/</u>      | See Notes |
| 19.0401       | Family Resource Management Studies, General.                        | 5                | Education & Training                          | 19.0401       |                |           |
| 19.0402       | Consumer Economics.   | 5                | Education & Training                          | 19.0402       |                |           |
| 19.0403       | Consumer Services and Advocacy.                                     | 5                | Education & Training                          | 19.0403       |                |           |
| 19.0499       | Family and Consumer Economics and Related Services, Other.          | 5                | Education & Training                          | 19.0499       |                |           |
| 19.0501       | Foods, Nutrition, and Wellness Studies, General.                    | 8                | Health Science                                | 19.0501       | M              |           |
| 19.0504       | Human Nutrition.  | 8                | Health Science                                | 19.0504       | M              |           |
| 19.0505       | Foodservice Systems Administration/Management.                      | 9                | Hospitality & Tourism                         | 19.0505       | F <u>2/</u>    | See Notes |
| 19.0599       | Foods, Nutrition, and Related Services, Other.                      | 8                | Health Science                                | 19.0599       | M              |           |
| 19.0601       | Housing and Human Environments, General.                            | 5                | Education & Training                          | 19.0601       |                |           |
| 19.0604       | Facilities Planning and Management.                                 | 4                | Business Management & Administration          | 19.0604       |                |           |
| 19.0605       | Home Furnishings and Equipment Installers.                          | 2                | Architecture & Construction                   | 19.0605       | F <u>2/</u>    | See Notes |
| 19.0699       | Housing and Human Environments, Other.                              | 5                | Education & Training                          | 19.0699       | <u>1/</u>      | See Notes |
| 19.0701       | Human Development and Family Studies, General.                      | 5                | Education & Training                          | 19.0701       |                |           |
| 19.0702       | Adult Development and Aging.  | 5                | Education & Training                          | 19.0702       | <u>1/</u>      | See Notes |
| 19.0704       | Family Systems.   | 5                | Education & Training                          | 19.0704       |                |           |
| 19.0706       | Child Development.  | 5                | Education & Training                          | 19.0706       |                |           |
| 19.0707       | Family and Community Services.                                      | 5                | Education & Training                          | 19.0707       |                |           |
| 19.0708       | Child Care and Support Services Management.                         | 10               | Human Services                                | 19.0708       | M              |           |
| 19.0709       | Child Care Provider/Assistant.                                      | 10               | Human Services                                | 19.0709       | M              |           |
| 19.0710       | Developmental Services Worker.                                      | 9                | Hospitality & Tourism                         | 19.0710       |                |           |

| Perkins IV Crosswalk Table 3, Non Trad CIP_Career Cluster (Revised December 2012) |   |                  |   |               |                |           |
|---|---|------------------|---|---------------|----------------|-----------|
| CIP 6<br>2010   | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                 | CIP 6<br>2010 | Nontraditional | Notes     |
| 19.0799   | Human Development, Family Studies, and Related Services, Other.   | 5                | Education & Training                          | 19.0799       | <u>1/</u>      | See Notes |
| 19.0901   | Apparel and Textiles, General.                                    | 13               | Manufacturing                                 | 19.0901       |                |           |
| 19.0902   | Apparel and Textile Manufacture.                                  | 13               | Manufacturing                                 | 19.0902       | M              |           |
| 19.0904   | Textile Science.  | 13               | Manufacturing                                 | 19.0904       |                |           |
| 19.0905   | Apparel and Textile Marketing Management.                         | 14               | Marketing                                     | 19.0905       |                |           |
| 19.0906   | Fashion and Fabric Consultant.                                    | 14               | Marketing                                     | 19.0906       |                |           |
| 19.0999   | Apparel and Textiles, Other.                                      | 13               | Manufacturing                                 | 19.0999       | <u>1/</u>      | See Notes |
| 19.9999   | Family and Consumer Sciences/Human Sciences, Other.               | 5                | Education & Training                          | 19.9999       | <u>1/</u>      | See Notes |
| 22.0000   | Legal Studies, General.   | 12               | Law, Public Safety, Corrections & Security    | 22.0000       |                |           |
| 22.0001   | Pre-Law Studies.  | 12               | Law, Public Safety, Corrections & Security    | 22.0001       | <u>1/</u>      | See Notes |
| 22.0101   | Law.  | 12               | Law, Public Safety, Corrections & Security    | 22.0101       |                |           |
| 22.0201   | Advanced Legal Research/Studies, General.                         | 12               | Law, Public Safety, Corrections & Security    | 22.0201       |                |           |
| 22.0202   | Programs for Foreign Lawyers.                                     | 12               | Law, Public Safety, Corrections & Security    | 22.0202       |                |           |
| 22.0203   | American/U.S. Law/Legal Studies/Jurisprudence.                    | 12               | Law, Public Safety, Corrections & Security    | 22.0203       |                |           |
| 22.0204   | Canadian Law/Legal Studies/Jurisprudence.                         | 12               | Law, Public Safety, Corrections & Security    | 22.0204       |                |           |
| 22.0205   | Banking, Corporate, Finance, and Securities Law.                  | 12               | Law, Public Safety, Corrections & Security    | 22.0205       |                |           |
| 22.0206   | Comparative Law.  | 12               | Law, Public Safety, Corrections & Security    | 22.0206       |                |           |
| 22.0207   | Energy, Environment, and Natural Resources Law.                   | 12               | Law, Public Safety, Corrections & Security    | 22.0207       |                |           |
| 22.0208   | Health Law.   | 12               | Law, Public Safety, Corrections & Security    | 22.0208       |                |           |
| 22.0209   | International Law and Legal Studies.                              | 12               | Law, Public Safety, Corrections & Security    | 22.0209       |                |           |
| 22.0210   | International Business, Trade, and Tax Law.                       | 12               | Law, Public Safety, Corrections & Security    | 22.0210       |                |           |
| 22.0211   | Tax Law/Taxation.   | 12               | Law, Public Safety, Corrections & Security    | 22.0211       |                |           |
| 22.0212   | Intellectual Property Law.  | 12               | Law, Public Safety, Corrections & Security    | 22.0212       |                |           |
| 22.0299   | Legal Research and Advanced Professional Studies, Other.          | 12               | Law, Public Safety, Corrections & Security    | 22.0299       |                |           |
| 22.0301   | Legal Administrative Assistant/Secretary.                         | 12               | Law, Public Safety, Corrections & Security    | 22.0301       | M              |           |
| 22.0302   | Legal Assistant/Paralegal.  | 12               | Law, Public Safety, Corrections & Security    | 22.0302       | M              |           |
| 22.0303   | Court Reporting/Court Reporter.                                   | 12               | Law, Public Safety, Corrections & Security    | 22.0303       | M              |           |
| 22.0399   | Legal Support Services, Other.                                    | 12               | Law, Public Safety, Corrections & Security    | 22.0399       | <u>1/</u>      | See Notes |
| 22.9999   | Legal Professions and Studies, Other.                             | 12               | Law, Public Safety, Corrections & Security    | 22.9999       | <u>1/</u>      | See Notes |
| 23.0101   | English Language and Literature, General.                         | 5                | Education & Training                          | 23.0101       |                |           |
| 23.1301   | Writing, General.   | 3                | Arts, Audio/Video Technology & Communications | 23.1301       |                |           |
| 23.1302   | Creative Writing.   | 3                | Arts, Audio/Video Technology & Communications | 23.1302       |                |           |
| 23.1303   | Professional, Technical, Business, and Scientific Writing.        | 3                | Arts, Audio/Video Technology & Communications | 23.1303       |                |           |
| 23.1304   | Rhetoric and Composition.   | 3                | Arts, Audio/Video Technology & Communications | 23.1304       |                |           |
| 23.1399   | Rhetoric and Composition/Writing Studies, Other.                  | 3                | Arts, Audio/Video Technology & Communications | 23.1399       |                |           |
| 23.1401   | General Literature.   | 5                | Education & Training                          | 23.1401       |                |           |
| 23.1402   | American Literature (United States).                              | 5                | Education & Training                          | 23.1402       |                |           |
| 23.1403   | American Literature (Canadian).                                   | 5                | Education & Training                          | 23.1403       |                |           |
| 23.1404   | English Literature (British and Commonwealth).                    | 5                | Education & Training                          | 23.1404       |                |           |
| 23.1405   | Children's and Adolescent Literature.                             | 5                | Education & Training                          | 23.1405       |                |           |
| 23.1499   | Literature, Other.  | 5                | Education & Training                          | 23.1499       |                |           |
| 23.9999   | English Language and Literature/Letters, Other.                   | 5                | Education & Training                          | 23.9999       |                |           |
| 24.0101   | Liberal Arts and Sciences/Liberal Studies.                        | 5                | Education & Training                          | 24.0101       |                |           |
| 24.0102   | General Studies.  | 5                | Education & Training                          | 24.0102       |                |           |
| 24.0103   | Humanities/Humanistic Studies.                                    | 5                | Education & Training                          | 24.0103       |                |           |
| 24.0199   | Liberal Arts and Sciences, General Studies and Humanities, Other. | 5                | Education & Training                          | 24.0199       | <u>1/</u>      | See Notes |
| 25.0101   | Library and Information Science.                                  | 5                | Education & Training                          | 25.0101       | M              |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|--|------------------|--|---------------|----------------|-----------|
| 25.0102       | Children and Youth Library Services.                   | 5                | Education & Training                           | 25.0102       | M              |           |
| 25.0103       | Archives/Archival Administration.                      | 5                | Education & Training                           | 25.0103       | M              |           |
| 25.0199       | Library Science and Administration, Other.             | 5                | Education & Training                           | 25.0199       |                |           |
| 25.0301       | Library and Archives Assisting.                        | 5                | Education & Training                           | 25.0301       | M 2/<br>1/     | See Notes |
| 25.9999       | Library Science, Other.                                | 5                | Education & Training                           | 25.9999       |                | See Notes |
| 26.0101       | Biology/Biological Sciences, General.                  | 15               | Science, Technology, Engineering & Mathematics | 26.0101       |                |           |
| 26.0102       | Biomedical Sciences, General.                          | 15               | Science, Technology, Engineering & Mathematics | 26.0102       |                |           |
| 26.0202       | Biochemistry.  | 15               | Science, Technology, Engineering & Mathematics | 26.0202       |                |           |
| 26.0203       | Biophysics.  | 15               | Science, Technology, Engineering & Mathematics | 26.0203       |                |           |
| 26.0204       | Molecular Biology.                                     | 15               | Science, Technology, Engineering & Mathematics | 26.0204       |                |           |
| 26.0205       | Molecular Biochemistry.                                | 15               | Science, Technology, Engineering & Mathematics | 26.0205       |                |           |
| 26.0206       | Molecular Biophysics.                                  | 15               | Science, Technology, Engineering & Mathematics | 26.0206       |                |           |
| 26.0207       | Structural Biology.                                    | 15               | Science, Technology, Engineering & Mathematics | 26.0207       |                |           |
| 26.0208       | Photobiology.  | 15               | Science, Technology, Engineering & Mathematics | 26.0208       |                |           |
| 26.0209       | Radiation Biology/Radiobiology.                        | 15               | Science, Technology, Engineering & Mathematics | 26.0209       |                |           |
| 26.0210       | Biochemistry and Molecular Biology.                    | 15               | Science, Technology, Engineering & Mathematics | 26.0210       |                |           |
| 26.0299       | Biochemistry, Biophysics and Molecular Biology, Other. | 15               | Science, Technology, Engineering & Mathematics | 26.0299       |                |           |
| 26.0301       | Botany/Plant Biology.                                  | 15               | Science, Technology, Engineering & Mathematics | 26.0301       |                |           |
| 26.0305       | Plant Pathology/Phytopathology.                        | 15               | Science, Technology, Engineering & Mathematics | 26.0305       |                |           |
| 26.0307       | Plant Physiology.                                      | 15               | Science, Technology, Engineering & Mathematics | 26.0307       |                |           |
| 26.0308       | Plant Molecular Biology.                               | 15               | Science, Technology, Engineering & Mathematics | 26.0308       |                |           |
| 26.0399       | Botany/Plant Biology, Other.                           | 15               | Science, Technology, Engineering & Mathematics | 26.0399       |                |           |
| 26.0401       | Cell/Cellular Biology and Histology.                   | 15               | Science, Technology, Engineering & Mathematics | 26.0401       |                |           |
| 26.0403       | Anatomy.   | 15               | Science, Technology, Engineering & Mathematics | 26.0403       |                |           |
| 26.0404       | Developmental Biology and Embryology.                  | 15               | Science, Technology, Engineering & Mathematics | 26.0404       |                |           |
| 26.0406       | Cell/Cellular and Molecular Biology.                   | 15               | Science, Technology, Engineering & Mathematics | 26.0406       |                |           |
| 26.0407       | Cell Biology and Anatomy.                              | 15               | Science, Technology, Engineering & Mathematics | 26.0407       |                |           |
| 26.0499       | Cell/Cellular Biology and Anatomical Sciences, Other.  | 15               | Science, Technology, Engineering & Mathematics | 26.0499       |                |           |
| 26.0502       | Microbiology, General.                                 | 15               | Science, Technology, Engineering & Mathematics | 26.0502       |                |           |
| 26.0503       | Medical Microbiology and Bacteriology.                 | 15               | Science, Technology, Engineering & Mathematics | 26.0503       |                |           |
| 26.0504       | Virology.  | 15               | Science, Technology, Engineering & Mathematics | 26.0504       |                |           |
| 26.0505       | Parasitology.  | 15               | Science, Technology, Engineering & Mathematics | 26.0505       |                |           |
| 26.0506       | Mycology.  | 15               | Science, Technology, Engineering & Mathematics | 26.0506       |                |           |
| 26.0507       | Immunology.  | 15               | Science, Technology, Engineering & Mathematics | 26.0507       |                |           |
| 26.0508       | Microbiology and Immunology.                           | 15               | Science, Technology, Engineering & Mathematics | 26.0508       |                |           |
| 26.0599       | Microbiological Sciences and Immunology, Other.        | 15               | Science, Technology, Engineering & Mathematics | 26.0599       |                |           |
| 26.0701       | Zoology/Animal Biology.                                | 15               | Science, Technology, Engineering & Mathematics | 26.0701       |                |           |
| 26.0702       | Entomology.  | 15               | Science, Technology, Engineering & Mathematics | 26.0702       |                |           |
| 26.0707       | Animal Physiology.                                     | 15               | Science, Technology, Engineering & Mathematics | 26.0707       |                |           |
| 26.0708       | Animal Behavior and Ethology.                          | 15               | Science, Technology, Engineering & Mathematics | 26.0708       |                |           |
| 26.0709       | Wildlife Biology.                                      | 15               | Science, Technology, Engineering & Mathematics | 26.0709       |                |           |
| 26.0799       | Zoology/Animal Biology, Other.                         | 15               | Science, Technology, Engineering & Mathematics | 26.0799       |                |           |
| 26.0801       | Genetics, General.                                     | 15               | Science, Technology, Engineering & Mathematics | 26.0801       |                |           |
| 26.0802       | Molecular Genetics.                                    | 15               | Science, Technology, Engineering & Mathematics | 26.0802       |                |           |
| 26.0803       | Microbial and Eukaryotic Genetics.                     | 15               | Science, Technology, Engineering & Mathematics | 26.0803       |                |           |
| 26.0804       | Animal Genetics.                                       | 15               | Science, Technology, Engineering & Mathematics | 26.0804       |                |           |
| 26.0805       | Plant Genetics.  | 15               | Science, Technology, Engineering & Mathematics | 26.0805       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes |
|---------------|---|------------------|--|---------------|----------------|-------|
| 26.0806       | Human/Medical Genetics.   | 15               | Science, Technology, Engineering & Mathematics | 26.0806       |                |       |
| 26.0807       | Genome Sciences/Genomics.   | 15               | Science, Technology, Engineering & Mathematics | 26.0807       |                |       |
| 26.0899       | Genetics, Other.  | 15               | Science, Technology, Engineering & Mathematics | 26.0899       |                |       |
| 26.0901       | Physiology, General.  | 15               | Science, Technology, Engineering & Mathematics | 26.0901       |                |       |
| 26.0902       | Molecular Physiology.   | 15               | Science, Technology, Engineering & Mathematics | 26.0902       |                |       |
| 26.0903       | Cell Physiology.  | 15               | Science, Technology, Engineering & Mathematics | 26.0903       |                |       |
| 26.0904       | Endocrinology.  | 15               | Science, Technology, Engineering & Mathematics | 26.0904       |                |       |
| 26.0905       | Reproductive Biology.   | 15               | Science, Technology, Engineering & Mathematics | 26.0905       |                |       |
| 26.0907       | Cardiovascular Science.   | 15               | Science, Technology, Engineering & Mathematics | 26.0907       |                |       |
| 26.0908       | Exercise Physiology.  | 15               | Science, Technology, Engineering & Mathematics | 26.0908       |                |       |
| 26.0909       | Vision Science/Physiological Optics.                              | 15               | Science, Technology, Engineering & Mathematics | 26.0909       |                |       |
| 26.0910       | Pathology/Experimental Pathology.                                 | 15               | Science, Technology, Engineering & Mathematics | 26.0910       |                |       |
| 26.0911       | Oncology and Cancer Biology.                                      | 15               | Science, Technology, Engineering & Mathematics | 26.0911       |                |       |
| 26.0912       | Aerospace Physiology and Medicine.                                | 15               | Science, Technology, Engineering & Mathematics | 26.0912       |                |       |
| 26.0999       | Physiology, Pathology, and Related Sciences, Other.               | 15               | Science, Technology, Engineering & Mathematics | 26.0999       |                |       |
| 26.1001       | Pharmacology.   | 15               | Science, Technology, Engineering & Mathematics | 26.1001       |                |       |
| 26.1002       | Molecular Pharmacology.   | 15               | Science, Technology, Engineering & Mathematics | 26.1002       |                |       |
| 26.1003       | Neuropharmacology.  | 15               | Science, Technology, Engineering & Mathematics | 26.1003       |                |       |
| 26.1004       | Toxicology.   | 15               | Science, Technology, Engineering & Mathematics | 26.1004       |                |       |
| 26.1005       | Molecular Toxicology.   | 15               | Science, Technology, Engineering & Mathematics | 26.1005       |                |       |
| 26.1006       | Environmental Toxicology.   | 15               | Science, Technology, Engineering & Mathematics | 26.1006       |                |       |
| 26.1007       | Pharmacology and Toxicology.                                      | 15               | Science, Technology, Engineering & Mathematics | 26.1007       |                |       |
| 26.1099       | Pharmacology and Toxicology, Other.                               | 15               | Science, Technology, Engineering & Mathematics | 26.1099       |                |       |
| 26.1101       | Biometry/Biometrics.  | 15               | Science, Technology, Engineering & Mathematics | 26.1101       |                |       |
| 26.1102       | Biostatistics.  | 15               | Science, Technology, Engineering & Mathematics | 26.1102       |                |       |
| 26.1103       | Bioinformatics.   | 8                | Health Science                                 | 26.1103       |                |       |
| 26.1104       | Computational Biology.  | 15               | Science, Technology, Engineering & Mathematics | 26.1104       | F              |       |
| 26.1199       | Biomathematics, Bioinformatics, and Computational Biology, Other. | 8                | Health Science                                 | 26.1199       |                |       |
| 26.1201       | Biotechnology.  | 8                | Health Science                                 | 26.1201       |                |       |
| 26.1301       | Ecology.  | 15               | Science, Technology, Engineering & Mathematics | 26.1301       |                |       |
| 26.1302       | Marine Biology and Biological Oceanography.                       | 15               | Science, Technology, Engineering & Mathematics | 26.1302       |                |       |
| 26.1303       | Evolutionary Biology.   | 15               | Science, Technology, Engineering & Mathematics | 26.1303       |                |       |
| 26.1304       | Aquatic Biology/Limnology.  | 15               | Science, Technology, Engineering & Mathematics | 26.1304       |                |       |
| 26.1305       | Environmental Biology.  | 15               | Science, Technology, Engineering & Mathematics | 26.1305       |                |       |
| 26.1306       | Population Biology.   | 15               | Science, Technology, Engineering & Mathematics | 26.1306       |                |       |
| 26.1307       | Conservation Biology.   | 15               | Science, Technology, Engineering & Mathematics | 26.1307       |                |       |
| 26.1308       | Systematic Biology/Biological Systematics.                        | 15               | Science, Technology, Engineering & Mathematics | 26.1308       |                |       |
| 26.1309       | Epidemiology.   | 15               | Science, Technology, Engineering & Mathematics | 26.1309       |                |       |
| 26.1310       | Ecology and Evolutionary Biology.                                 | 15               | Science, Technology, Engineering & Mathematics | 26.1310       |                |       |
| 26.1399       | Ecology, Evolution, Systematics and Population Biology, Other.    | 15               | Science, Technology, Engineering & Mathematics | 26.1399       |                |       |
| 26.1401       | Molecular Medicine.   | 15               | Science, Technology, Engineering & Mathematics | 26.1401       |                |       |
| 26.1501       | Neuroscience.   | 15               | Science, Technology, Engineering & Mathematics | 26.1501       |                |       |
| 26.1502       | Neuroanatomy.   | 15               | Science, Technology, Engineering & Mathematics | 26.1502       |                |       |
| 26.1503       | Neurobiology and Anatomy.   | 15               | Science, Technology, Engineering & Mathematics | 26.1503       |                |       |
| 26.1504       | Neurobiology and Behavior.  | 15               | Science, Technology, Engineering & Mathematics | 26.1504       |                |       |
| 26.1599       | Neurobiology and Neurosciences, Other.                            | 15               | Science, Technology, Engineering & Mathematics | 26.1599       |                |       |
| 26.9999       | Biological and Biomedical Sciences, Other.                        | 15               | Science, Technology, Engineering & Mathematics | 26.9999       |                |       |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--|---------------|----------------|-----------|
| 27.0101       | Mathematics, General.   | 15               | Science, Technology, Engineering & Mathematics | 27.0101       | F 2/           | See Notes |
| 27.0102       | Algebra and Number Theory.                                      | 15               | Science, Technology, Engineering & Mathematics | 27.0102       |                |           |
| 27.0103       | Analysis and Functional Analysis.                               | 15               | Science, Technology, Engineering & Mathematics | 27.0103       |                |           |
| 27.0104       | Geometry/Geometric Analysis.                                    | 15               | Science, Technology, Engineering & Mathematics | 27.0104       |                |           |
| 27.0105       | Topology and Foundations.                                       | 15               | Science, Technology, Engineering & Mathematics | 27.0105       |                |           |
| 27.0199       | Mathematics, Other.   | 15               | Science, Technology, Engineering & Mathematics | 27.0199       |                |           |
| 27.0301       | Applied Mathematics, General.                                   | 15               | Science, Technology, Engineering & Mathematics | 27.0301       | F              |           |
| 27.0303       | Computational Mathematics.                                      | 15               | Science, Technology, Engineering & Mathematics | 27.0303       | F              |           |
| 27.0304       | Computational and Applied Mathematics.                          | 15               | Science, Technology, Engineering & Mathematics | 27.0304       | F              |           |
| 27.0305       | Financial Mathematics.  | 15               | Science, Technology, Engineering & Mathematics | 27.0305       | F              |           |
| 27.0306       | Mathematical Biology.   | 15               | Science, Technology, Engineering & Mathematics | 27.0306       | F              |           |
| 27.0399       | Applied Mathematics, Other.                                     | 15               | Science, Technology, Engineering & Mathematics | 27.0399       | F              |           |
| 27.0501       | Statistics, General.  | 15               | Science, Technology, Engineering & Mathematics | 27.0501       |                |           |
| 27.0502       | Mathematical Statistics and Probability.                        | 15               | Science, Technology, Engineering & Mathematics | 27.0502       |                |           |
| 27.0503       | Mathematics and Statistics.                                     | 15               | Science, Technology, Engineering & Mathematics | 27.0503       |                |           |
| 27.0599       | Statistics, Other.  | 15               | Science, Technology, Engineering & Mathematics | 27.0599       |                |           |
| 27.9999       | Mathematics and Statistics, Other.                              | 15               | Science, Technology, Engineering & Mathematics | 27.9999       | F              |           |
| 28.0101       | Air Force JROTC/ROTC.   | 7                | Government & Public Administration             | 28.0101       | 1/             | See Notes |
| 28.0199       | Air Force ROTC, Air Science and Operations, Other.              | 7                | Government & Public Administration             | 28.0199       | 1/             | See Notes |
| 28.0301       | Army JROTC/ROTC.  | 7                | Government & Public Administration             | 28.0301       | 1/             | See Notes |
| 28.0399       | Army ROTC, Military Science and Operations, Other.              | 7                | Government & Public Administration             | 28.0399       | 1/             | See Notes |
| 28.0401       | Navy/Marine Corps JROTC/ROTC.                                   | 7                | Government & Public Administration             | 28.0401       | 1/             | See Notes |
| 28.0499       | Navy/Marine Corps ROTC, Naval Science and Operations, Other.    | 7                | Government & Public Administration             | 28.0499       | 1/             | See Notes |
| 28.0501       | Air Science/Airpower Studies.                                   | 7                | Government & Public Administration             | 28.0501       | 1/             | See Notes |
| 28.0502       | Air and Space Operational Art and Science.                      | 7                | Government & Public Administration             | 28.0502       | 1/             | See Notes |
| 28.0503       | Military Operational Art and Science/Studies.                   | 7                | Government & Public Administration             | 28.0503       |                |           |
| 28.0504       | Advanced Military and Operational Studies.                      | 7                | Government & Public Administration             | 28.0504       |                |           |
| 28.0505       | Naval Science and Operational Studies.                          | 7                | Government & Public Administration             | 28.0505       |                |           |
| 28.0506       | Special, Irregular and Counterterrorist Operations.             | 7                | Government & Public Administration             | 28.0506       |                |           |
| 28.0599       | Military Science and Operational Studies, Other.                | 7                | Government & Public Administration             | 28.0599       |                |           |
| 28.0601       | Strategic Studies, General.                                     | 7                | Government & Public Administration             | 28.0601       |                |           |
| 28.0602       | Military and Strategic Leadership.                              | 7                | Government & Public Administration             | 28.0602       |                |           |
| 28.0603       | Military and International Operational Law.                     | 7                | Government & Public Administration             | 28.0603       | 1/             | See Notes |
| 28.0604       | Joint Operations Planning and Strategy.                         | 7                | Government & Public Administration             | 28.0604       |                |           |
| 28.0605       | Weapons of Mass Destruction.                                    | 7                | Government & Public Administration             | 28.0605       |                |           |
| 28.0699       | National Security Policy and Strategy, Other.                   | 7                | Government & Public Administration             | 28.0699       | 1/             | See Notes |
| 28.0701       | National Resource Strategy and Policy.                          | 7                | Government & Public Administration             | 28.0701       | 1/             | See Notes |
| 28.0702       | Industry Studies.   | 7                | Government & Public Administration             | 28.0702       | 1/             | See Notes |
| 28.0703       | Military Installation Management.                               | 7                | Government & Public Administration             | 28.0703       | 1/             | See Notes |
| 28.0799       | Military Economics and Management, Other.                       | 7                | Government & Public Administration             | 28.0799       | 1/             | See Notes |
| 28.9999       | Military Science, Leadership and Operational Art, Other.        | 7                | Government & Public Administration             | 28.9999       | 1/             | See Notes |
| 29.0201       | Intelligence, General.  | 7                | Government & Public Administration             | 29.0201       | 1/             | See Notes |
| 29.0202       | Strategic Intelligence.   | 7                | Government & Public Administration             | 29.0202       | 1/             | See Notes |
| 29.0203       | Signal/Geospatial Intelligence.                                 | 7                | Government & Public Administration             | 29.0203       | 1/             | See Notes |
| 29.0204       | Command & Control (C3, C4I) Systems and Operations.             | 7                | Government & Public Administration             | 29.0204       |                |           |
| 29.0205       | Information Operations/Joint Information Operations.            | 7                | Government & Public Administration             | 29.0205       |                |           |
| 29.0206       | Information/Psychological Warfare and Military Media Relations. | 7                | Government & Public Administration             | 29.0206       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIP Title_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--|---------------|----------------|-----------|
| 29.0207       | Cyber/Electronic Operations and Warfare.                          | 7                | Government & Public Administration             | 29.0207       |                |           |
| 29.0299       | Intelligence, Command Control and Information Operations, Other.  | 7                | Government & Public Administration             | 29.0299       |                |           |
| 29.0301       | Combat Systems Engineering.                                       | 7                | Government & Public Administration             | 29.0301       |                |           |
| 29.0302       | Directed Energy Systems.  | 7                | Government & Public Administration             | 29.0302       | <u>1/</u>      | See Notes |
| 29.0303       | Engineering Acoustics.  | 7                | Government & Public Administration             | 29.0303       |                |           |
| 29.0304       | Low-Observable and Stealth Technology.                            | 7                | Government & Public Administration             | 29.0304       | <u>1/</u>      | See Notes |
| 29.0305       | Space Systems Operations.   | 7                | Government & Public Administration             | 29.0305       | <u>1/</u>      | See Notes |
| 29.0306       | Operational Oceanography.   | 7                | Government & Public Administration             | 29.0306       |                |           |
| 29.0307       | Undersea Warfare.   | 7                | Government & Public Administration             | 29.0307       |                |           |
| 29.0399       | Military Applied Sciences, Other.                                 | 7                | Government & Public Administration             | 29.0399       | <u>1/</u>      | See Notes |
| 29.0401       | Aerospace Ground Equipment Technology.                            | 7                | Government & Public Administration             | 29.0401       | <u>1/</u>      | See Notes |
| 29.0402       | Air and Space Operations Technology.                              | 7                | Government & Public Administration             | 29.0402       | <u>1/</u>      | See Notes |
| 29.0403       | Aircraft Armament Systems Technology.                             | 7                | Government & Public Administration             | 29.0403       | <u>1/</u>      | See Notes |
| 29.0404       | Explosive Ordnance/Bomb Disposal.                                 | 7                | Government & Public Administration             | 29.0404       |                |           |
| 29.0405       | Joint Command/Task Force (C3, C4) Systems.                        | 7                | Government & Public Administration             | 29.0405       |                |           |
| 29.0406       | Military Information Systems Technology.                          | 7                | Government & Public Administration             | 29.0406       |                |           |
| 29.0407       | Missile and Space Systems Technology.                             | 7                | Government & Public Administration             | 29.0407       |                |           |
| 29.0408       | Munitions Systems/Ordnance Technology.                            | 7                | Government & Public Administration             | 29.0408       |                |           |
| 29.0409       | Radar Communications and Systems Technology.                      | 7                | Government & Public Administration             | 29.0409       |                |           |
| 29.0499       | Military Systems and Maintenance Technology, Other.               | 7                | Government & Public Administration             | 29.0499       | <u>1/</u>      | See Notes |
| 29.9999       | Military Technologies and Applied Sciences, Other.                | 7                | Government & Public Administration             | 29.9999       | <u>1/</u>      | See Notes |
| 30.0000       | Multi-/Interdisciplinary Studies, General.                        | 5                | Education & Training                           | 30.0000       | <u>1/</u>      | See Notes |
| 30.0101       | Biological and Physical Sciences.                                 | 15               | Science, Technology, Engineering & Mathematics | 30.0101       |                |           |
| 30.0501       | Peace Studies and Conflict Resolution.                            | 15               | Science, Technology, Engineering & Mathematics | 30.0501       | <u>1/</u>      | See Notes |
| 30.0601       | Systems Science and Theory.                                       | 15               | Science, Technology, Engineering & Mathematics | 30.0601       | <u>1/</u>      | See Notes |
| 30.0801       | Mathematics and Computer Science.                                 | 15               | Science, Technology, Engineering & Mathematics | 30.0801       |                |           |
| 30.1001       | Biopsychology.  | 15               | Science, Technology, Engineering & Mathematics | 30.1001       |                |           |
| 30.1101       | Gerontology.  | 15               | Science, Technology, Engineering & Mathematics | 30.1101       |                |           |
| 30.1201       | Historic Preservation and Conservation.                           | 15               | Science, Technology, Engineering & Mathematics | 30.1201       |                |           |
| 30.1202       | Cultural Resource Management and Policy Analysis.                 | 15               | Science, Technology, Engineering & Mathematics | 30.1202       |                |           |
| 30.1299       | Historic Preservation and Conservation, Other.                    | 15               | Science, Technology, Engineering & Mathematics | 30.1299       |                |           |
| 30.1301       | Medieval and Renaissance Studies.                                 | 15               | Science, Technology, Engineering & Mathematics | 30.1301       |                |           |
| 30.1401       | Museology/Museum Studies.   | 3                | Arts, Audio/Video Technology & Communications  | 30.1401       |                |           |
| 30.1501       | Science, Technology and Society.                                  | 15               | Science, Technology, Engineering & Mathematics | 30.1501       |                |           |
| 30.1601       | Accounting and Computer Science.                                  | 6                | Finance  | 30.1601       |                |           |
| 30.1701       | Behavioral Sciences.  | 15               | Science, Technology, Engineering & Mathematics | 30.1701       |                |           |
| 30.1801       | Natural Sciences.   | 15               | Science, Technology, Engineering & Mathematics | 30.1801       |                |           |
| 30.1901       | Nutrition Sciences.   | 15               | Science, Technology, Engineering & Mathematics | 30.1901       | M <u>2/</u>    | See Notes |
| 30.2001       | International/Global Studies.                                     | 15               | Science, Technology, Engineering & Mathematics | 30.2001       |                |           |
| 30.2101       | Holocaust and Related Studies.                                    | 15               | Science, Technology, Engineering & Mathematics | 30.2101       |                |           |
| 30.2201       | Ancient Studies/Civilization.                                     | 15               | Science, Technology, Engineering & Mathematics | 30.2201       |                |           |
| 30.2202       | Classical, Ancient Mediterranean and Near Eastern Studies and Arc | 15               | Science, Technology, Engineering & Mathematics | 30.2202       |                |           |
| 30.2301       | Intercultural/Multicultural and Diversity Studies.                | 5                | Education & Training                           | 30.2301       |                |           |
| 30.2501       | Cognitive Science.  | 15               | Science, Technology, Engineering & Mathematics | 30.2501       | <u>1/</u>      | See Notes |
| 30.2601       | Cultural Studies/Critical Theory and Analysis.                    | 15               | Science, Technology, Engineering & Mathematics | 30.2601       |                |           |
| 30.2701       | Human Biology.  | 15               | Science, Technology, Engineering & Mathematics | 30.2701       |                |           |
| 30.2801       | Dispute Resolution.   | 15               | Science, Technology, Engineering & Mathematics | 30.2801       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--|---------------|----------------|-----------|
| 30.2901       | Maritime Studies.   | 15               | Science, Technology, Engineering & Mathematics | 30.2901       |                |           |
| 30.3001       | Computational Science.  | 15               | Science, Technology, Engineering & Mathematics | 30.3001       | F              |           |
| 30.3101       | Human Computer Interaction.                                   | 15               | Science, Technology, Engineering & Mathematics | 30.3101       |                |           |
| 30.3201       | Marine Sciences.  | 15               | Science, Technology, Engineering & Mathematics | 30.3201       |                |           |
| 30.3301       | Sustainability Studies.                                       | 15               | Science, Technology, Engineering & Mathematics | 30.3301       |                |           |
| 30.9999       | Multi-/Interdisciplinary Studies, Other.                      | 15               | Science, Technology, Engineering & Mathematics | 30.9999       | <u>1/</u>      | See Notes |
| 31.0101       | Parks, Recreation and Leisure Studies.                        | 9                | Hospitality & Tourism                          | 31.0101       |                |           |
| 31.0301       | Parks, Recreation and Leisure Facilities Management, General. | 9                | Hospitality & Tourism                          | 31.0301       | <u>1/</u>      | See Notes |
| 31.0302       | Golf Course Operation and Grounds Management.                 | 1                | Agriculture, Food & Natural Resources          | 31.0302       | F              |           |
| 31.0399       | Parks, Recreation and Leisure Facilities Management, Other.   | 9                | Hospitality & Tourism                          | 31.0399       |                |           |
| 31.0501       | Health and Physical Education/Fitness, General.               | 5                | Education & Training                           | 31.0501       |                |           |
| 31.0504       | Sport and Fitness Administration/Management.                  | 5                | Education & Training                           | 31.0504       |                |           |
| 31.0505       | Kinesiology and Exercise Science.                             | 5                | Education & Training                           | 31.0505       |                |           |
| 31.0507       | Physical Fitness Technician.                                  | 5                | Education & Training                           | 31.0507       |                |           |
| 31.0508       | Sports Studies.   | 5                | Education & Training                           | 31.0508       |                |           |
| 31.0599       | Health and Physical Education/Fitness, Other.                 | 5                | Education & Training                           | 31.0599       | <u>1/</u>      | See Notes |
| 31.0601       | Outdoor Education.  | 5                | Education & Training                           | 31.0601       | <u>1/</u>      | See Notes |
| 31.9999       | Parks, Recreation, Leisure, and Fitness Studies, Other.       | 9                | Hospitality & Tourism                          | 31.9999       | <u>1/</u>      | See Notes |
| 32.0101       | Basic Skills and Developmental/Remedial Education, General.   | 17               | NO CLUSTER*                                    | 32.0101       | <u>1/</u>      | See Notes |
| 32.0104       | Developmental/Remedial Mathematics.                           | 17               | NO CLUSTER*                                    | 32.0104       | <u>1/</u>      | See Notes |
| 32.0105       | Job-Seeking/Changing Skills.                                  | 17               | NO CLUSTER*                                    | 32.0105       | <u>1/</u>      | See Notes |
| 32.0107       | Career Exploration/Awareness Skills.                          | 17               | NO CLUSTER*                                    | 32.0107       | <u>1/</u>      | See Notes |
| 32.0108       | Developmental/Remedial English.                               | 17               | NO CLUSTER*                                    | 32.0108       | <u>1/</u>      | See Notes |
| 32.0109       | Second Language Learning.                                     | 17               | NO CLUSTER*                                    | 32.0109       | <u>1/</u>      | See Notes |
| 32.0110       | Basic Computer Skills.  | 17               | NO CLUSTER*                                    | 32.0110       | <u>1/</u>      | See Notes |
| 32.0111       | Workforce Development and Training.                           | 17               | NO CLUSTER*                                    | 32.0111       | <u>1/</u>      | See Notes |
| 32.0199       | Basic Skills and Developmental/Remedial Education, Other.     | 17               | NO CLUSTER*                                    | 32.0199       | <u>1/</u>      | See Notes |
| 33.0101       | Citizenship Activities, General.                              | 17               | NO CLUSTER*                                    | 33.0101       | <u>1/</u>      | See Notes |
| 33.0102       | American Citizenship Education.                               | 17               | NO CLUSTER*                                    | 33.0102       | <u>1/</u>      | See Notes |
| 33.0103       | Community Awareness.  | 17               | NO CLUSTER*                                    | 33.0103       | <u>1/</u>      | See Notes |
| 33.0104       | Community Involvement.  | 17               | NO CLUSTER*                                    | 33.0104       | <u>1/</u>      | See Notes |
| 33.0105       | Canadian Citizenship Education.                               | 17               | NO CLUSTER*                                    | 33.0105       | <u>1/</u>      | See Notes |
| 33.0199       | Citizenship Activities, Other.                                | 17               | NO CLUSTER*                                    | 33.0199       | <u>1/</u>      | See Notes |
| 34.0102       | Birthing and Parenting Knowledge and Skills.                  | 17               | NO CLUSTER*                                    | 34.0102       | <u>1/</u>      | See Notes |
| 34.0103       | Personal Health Improvement and Maintenance.                  | 17               | NO CLUSTER*                                    | 34.0103       | <u>1/</u>      | See Notes |
| 34.0104       | Addiction Prevention and Treatment.                           | 17               | NO CLUSTER*                                    | 34.0104       | <u>1/</u>      | See Notes |
| 34.0199       | Health-Related Knowledge and Skills, Other.                   | 17               | NO CLUSTER*                                    | 34.0199       | <u>1/</u>      | See Notes |
| 35.0101       | Interpersonal and Social Skills, General.                     | 17               | NO CLUSTER*                                    | 35.0101       | <u>1/</u>      | See Notes |
| 35.0102       | Interpersonal Relationships Skills.                           | 17               | NO CLUSTER*                                    | 35.0102       | <u>1/</u>      | See Notes |
| 35.0103       | Business and Social Skills.                                   | 17               | NO CLUSTER*                                    | 35.0103       | <u>1/</u>      | See Notes |
| 35.0199       | Interpersonal Social Skills, Other.                           | 17               | NO CLUSTER*                                    | 35.0199       | <u>1/</u>      | See Notes |
| 36.0101       | Leisure and Recreational Activities, General.                 | 17               | NO CLUSTER*                                    | 36.0101       | <u>1/</u>      | See Notes |
| 36.0102       | Handicrafts and Model-Making.                                 | 17               | NO CLUSTER*                                    | 36.0102       | <u>1/</u>      | See Notes |
| 36.0103       | Board, Card and Role-Playing Games.                           | 17               | NO CLUSTER*                                    | 36.0103       | <u>1/</u>      | See Notes |
| 36.0105       | Home Maintenance and Improvement.                             | 17               | NO CLUSTER*                                    | 36.0105       | <u>1/</u>      | See Notes |
| 36.0106       | Nature Appreciation.  | 17               | NO CLUSTER*                                    | 36.0106       | <u>1/</u>      | See Notes |
| 36.0107       | Pet Ownership and Care.                                       | 17               | NO CLUSTER*                                    | 36.0107       | <u>1/</u>      | See Notes |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010                                   | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--|---------------|----------------|-----------|
| 36.0108       | Sports and Exercise.                            | 17               | NO CLUSTER*                                    | 36.0108       | <u>1/</u>      | See Notes |
| 36.0109       | Travel and Exploration.                         | 17               | NO CLUSTER*                                    | 36.0109       | <u>1/</u>      | See Notes |
| 36.0110       | Art.  | 17               | NO CLUSTER*                                    | 36.0110       | <u>1/</u>      | See Notes |
| 36.0111       | Collecting.                                     | 17               | NO CLUSTER*                                    | 36.0111       | <u>1/</u>      | See Notes |
| 36.0112       | Cooking and Other Domestic Skills.              | 17               | NO CLUSTER*                                    | 36.0112       | <u>1/</u>      | See Notes |
| 36.0113       | Computer Games and Programming Skills.          | 17               | NO CLUSTER*                                    | 36.0113       | <u>1/</u>      | See Notes |
| 36.0114       | Dancing.  | 17               | NO CLUSTER*                                    | 36.0114       | <u>1/</u>      | See Notes |
| 36.0115       | Music.  | 17               | NO CLUSTER*                                    | 36.0115       | <u>1/</u>      | See Notes |
| 36.0116       | Reading.  | 17               | NO CLUSTER*                                    | 36.0116       | <u>1/</u>      | See Notes |
| 36.0117       | Theatre/Theater.                                | 17               | NO CLUSTER*                                    | 36.0117       | <u>1/</u>      | See Notes |
| 36.0118       | Writing.  | 17               | NO CLUSTER*                                    | 36.0118       | <u>1/</u>      | See Notes |
| 36.0119       | Aircraft Pilot (Private).                       | 17               | NO CLUSTER*                                    | 36.0119       | <u>1/</u>      | See Notes |
| 36.0199       | Leisure and Recreational Activities, Other.     | 17               | NO CLUSTER*                                    | 36.0199       | <u>1/</u>      | See Notes |
| 37.0101       | Self-Awareness and Personal Assessment.         | 17               | NO CLUSTER*                                    | 37.0101       | <u>1/</u>      | See Notes |
| 37.0102       | Stress Management and Coping Skills.            | 17               | NO CLUSTER*                                    | 37.0102       | <u>1/</u>      | See Notes |
| 37.0103       | Personal Decision-Making Skills.                | 17               | NO CLUSTER*                                    | 37.0103       | <u>1/</u>      | See Notes |
| 37.0104       | Self-Esteem and Values Clarification.           | 17               | NO CLUSTER*                                    | 37.0104       | <u>1/</u>      | See Notes |
| 37.0199       | Personal Awareness and Self-Improvement, Other. | 17               | NO CLUSTER*                                    | 37.0199       | <u>1/</u>      | See Notes |
| 38.0001       | Philosophy and Religious Studies, General.      | 5                | Education & Training                           | 38.0001       |                |           |
| 38.0101       | Philosophy.                                     | 5                | Education & Training                           | 38.0101       |                |           |
| 38.0102       | Logic.  | 15               | Science, Technology, Engineering & Mathematics | 38.0102       |                |           |
| 38.0103       | Ethics.   | 5                | Education & Training                           | 38.0103       |                |           |
| 38.0104       | Applied and Professional Ethics.                | 5                | Education & Training                           | 38.0104       |                |           |
| 38.0199       | Philosophy, Other.                              | 5                | Education & Training                           | 38.0199       |                |           |
| 38.0201       | Religion/Religious Studies.                     | 5                | Education & Training                           | 38.0201       |                |           |
| 38.0202       | Buddhist Studies.                               | 5                | Education & Training                           | 38.0202       |                |           |
| 38.0203       | Christian Studies.                              | 5                | Education & Training                           | 38.0203       |                |           |
| 38.0204       | Hindu Studies.                                  | 5                | Education & Training                           | 38.0204       |                |           |
| 38.0205       | Islamic Studies.                                | 5                | Education & Training                           | 38.0205       |                |           |
| 38.0206       | Jewish/Judaic Studies.                          | 5                | Education & Training                           | 38.0206       |                |           |
| 38.0299       | Religion/Religious Studies, Other.              | 5                | Education & Training                           | 38.0299       | <u>1/</u>      | See Notes |
| 38.9999       | Philosophy and Religious Studies, Other.        | 5                | Education & Training                           | 38.9999       |                |           |
| 39.0201       | Bible/Biblical Studies.                         | 10               | Human Services                                 | 39.0201       |                |           |
| 39.0301       | Missions/Missionary Studies and Missiology.     | 10               | Human Services                                 | 39.0301       |                |           |
| 39.0401       | Religious Education.                            | 10               | Human Services                                 | 39.0401       |                |           |
| 39.0501       | Religious/Sacred Music.                         | 3                | Arts, Audio/Video Technology & Communications  | 39.0501       |                |           |
| 39.0601       | Theology/Theological Studies.                   | 10               | Human Services                                 | 39.0601       | F              |           |
| 39.0602       | Divinity/Ministry.                              | 10               | Human Services                                 | 39.0602       | F              |           |
| 39.0604       | Pre-Theology/Pre-Ministerial Studies.           | 10               | Human Services                                 | 39.0604       | F              |           |
| 39.0605       | Rabbinical Studies.                             | 10               | Human Services                                 | 39.0605       | F              |           |
| 39.0606       | Talmudic Studies.                               | 10               | Human Services                                 | 39.0606       |                |           |
| 39.0699       | Theological and Ministerial Studies, Other.     | 10               | Human Services                                 | 39.0699       | F              |           |
| 39.0701       | Pastoral Studies/Counseling.                    | 10               | Human Services                                 | 39.0701       | F              |           |
| 39.0702       | Youth Ministry.                                 | 10               | Human Services                                 | 39.0702       | F              |           |
| 39.0703       | Urban Ministry.                                 | 10               | Human Services                                 | 39.0703       | F              |           |
| 39.0704       | Women's Ministry.                               | 10               | Human Services                                 | 39.0704       |                |           |
| 39.0705       | Lay Ministry.                                   | 10               | Human Services                                 | 39.0705       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--|---------------|----------------|-----------|
| 39.0799       | Pastoral Counseling and Specialized Ministries, Other.  | 10               | Human Services                                 | 39.0799       | <u>1/</u>      | See Notes |
| 39.9999       | Theology and Religious Vocations, Other.                | 10               | Human Services                                 | 39.9999       | <u>1/</u>      | See Notes |
| 40.0101       | Physical Sciences.                                      | 15               | Science, Technology, Engineering & Mathematics | 40.0101       |                |           |
| 40.0201       | Astronomy.  | 15               | Science, Technology, Engineering & Mathematics | 40.0201       | F              |           |
| 40.0202       | Astrophysics.   | 15               | Science, Technology, Engineering & Mathematics | 40.0202       | F              |           |
| 40.0203       | Planetary Astronomy and Science.                        | 15               | Science, Technology, Engineering & Mathematics | 40.0203       | F              |           |
| 40.0299       | Astronomy and Astrophysics, Other.                      | 15               | Science, Technology, Engineering & Mathematics | 40.0299       | F              |           |
| 40.0401       | Atmospheric Sciences and Meteorology, General.          | 15               | Science, Technology, Engineering & Mathematics | 40.0401       | F              |           |
| 40.0402       | Atmospheric Chemistry and Climatology.                  | 15               | Science, Technology, Engineering & Mathematics | 40.0402       | F              |           |
| 40.0403       | Atmospheric Physics and Dynamics.                       | 15               | Science, Technology, Engineering & Mathematics | 40.0403       | F              |           |
| 40.0404       | Meteorology.  | 15               | Science, Technology, Engineering & Mathematics | 40.0404       | F              |           |
| 40.0499       | Atmospheric Sciences and Meteorology, Other.            | 15               | Science, Technology, Engineering & Mathematics | 40.0499       | F              |           |
| 40.0501       | Chemistry, General.                                     | 15               | Science, Technology, Engineering & Mathematics | 40.0501       |                |           |
| 40.0502       | Analytical Chemistry.                                   | 15               | Science, Technology, Engineering & Mathematics | 40.0502       |                |           |
| 40.0503       | Inorganic Chemistry.                                    | 15               | Science, Technology, Engineering & Mathematics | 40.0503       |                |           |
| 40.0504       | Organic Chemistry.                                      | 15               | Science, Technology, Engineering & Mathematics | 40.0504       |                |           |
| 40.0506       | Physical Chemistry.                                     | 15               | Science, Technology, Engineering & Mathematics | 40.0506       |                |           |
| 40.0507       | Polymer Chemistry.                                      | 15               | Science, Technology, Engineering & Mathematics | 40.0507       |                |           |
| 40.0508       | Chemical Physics.                                       | 15               | Science, Technology, Engineering & Mathematics | 40.0508       |                |           |
| 40.0509       | Environmental Chemistry.                                | 15               | Science, Technology, Engineering & Mathematics | 40.0509       | F              |           |
| 40.0510       | Forensic Chemistry.                                     | 15               | Science, Technology, Engineering & Mathematics | 40.0510       |                |           |
| 40.0511       | Theoretical Chemistry.                                  | 15               | Science, Technology, Engineering & Mathematics | 40.0511       |                |           |
| 40.0599       | Chemistry, Other.                                       | 15               | Science, Technology, Engineering & Mathematics | 40.0599       |                |           |
| 40.0601       | Geology/Earth Science, General.                         | 15               | Science, Technology, Engineering & Mathematics | 40.0601       | F              |           |
| 40.0602       | Geochemistry.   | 15               | Science, Technology, Engineering & Mathematics | 40.0602       | F              |           |
| 40.0603       | Geophysics and Seismology.                              | 15               | Science, Technology, Engineering & Mathematics | 40.0603       | F              |           |
| 40.0604       | Paleontology.   | 15               | Science, Technology, Engineering & Mathematics | 40.0604       | F              |           |
| 40.0605       | Hydrology and Water Resources Science.                  | 15               | Science, Technology, Engineering & Mathematics | 40.0605       | F              |           |
| 40.0606       | Geochemistry and Petrology.                             | 15               | Science, Technology, Engineering & Mathematics | 40.0606       | F              |           |
| 40.0607       | Oceanography, Chemical and Physical.                    | 15               | Science, Technology, Engineering & Mathematics | 40.0607       | F              |           |
| 40.0699       | Geological and Earth Sciences/Geosciences, Other.       | 15               | Science, Technology, Engineering & Mathematics | 40.0699       | F              |           |
| 40.0801       | Physics, General.                                       | 15               | Science, Technology, Engineering & Mathematics | 40.0801       | F              |           |
| 40.0802       | Atomic/Molecular Physics.                               | 15               | Science, Technology, Engineering & Mathematics | 40.0802       | F              |           |
| 40.0804       | Elementary Particle Physics.                            | 15               | Science, Technology, Engineering & Mathematics | 40.0804       | F              |           |
| 40.0805       | Plasma and High-Temperature Physics.                    | 15               | Science, Technology, Engineering & Mathematics | 40.0805       | F              |           |
| 40.0806       | Nuclear Physics.  | 15               | Science, Technology, Engineering & Mathematics | 40.0806       | F              |           |
| 40.0807       | Optics/Optical Sciences.                                | 15               | Science, Technology, Engineering & Mathematics | 40.0807       | F              |           |
| 40.0808       | Condensed Matter and Materials Physics.                 | 15               | Science, Technology, Engineering & Mathematics | 40.0808       | F              |           |
| 40.0809       | Acoustics.  | 15               | Science, Technology, Engineering & Mathematics | 40.0809       | F              |           |
| 40.0810       | Theoretical and Mathematical Physics.                   | 15               | Science, Technology, Engineering & Mathematics | 40.0810       | F              |           |
| 40.0899       | Physics, Other.   | 15               | Science, Technology, Engineering & Mathematics | 40.0899       | F              |           |
| 40.1001       | Materials Science.                                      | 15               | Science, Technology, Engineering & Mathematics | 40.1001       |                |           |
| 40.1002       | Materials Chemistry.                                    | 15               | Science, Technology, Engineering & Mathematics | 40.1002       |                |           |
| 40.1099       | Materials Sciences, Other.                              | 15               | Science, Technology, Engineering & Mathematics | 40.1099       |                |           |
| 40.9999       | Physical Sciences, Other.                               | 15               | Science, Technology, Engineering & Mathematics | 40.9999       |                |           |
| 41.0000       | Science Technologies/Technicians, General.              | 15               | Science, Technology, Engineering & Mathematics | 41.0000       |                |           |
| 41.0101       | Biology Technician/Biotechnology Laboratory Technician. | 8                | Health Science                                 | 41.0101       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010              | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|--|------------------|--|---------------|----------------|-----------|
| 41.0204       | Industrial Radiologic Technology/Technician.                       | 13               | Manufacturing                              | 41.0204       |                |           |
| 41.0205       | Nuclear/Nuclear Power Technology/Technician.                       | 13               | Manufacturing                              | 41.0205       | F              |           |
| 41.0299       | Nuclear and Industrial Radiologic Technologies/Technicians, Other. | 13               | Manufacturing                              | 41.0299       |                |           |
| 41.0301       | Chemical Technology/Technician.                                    | 13               | Manufacturing                              | 41.0301       |                |           |
| 41.0303       | Chemical Process Technology.                                       | 13               | Manufacturing                              | 41.0303       |                |           |
| 41.0399       | Physical Science Technologies/Technicians, Other.                  | 13               | Manufacturing                              | 41.0399       |                |           |
| 41.9999       | Science Technologies/Technicians, Other.                           | 13               | Manufacturing                              | 41.9999       |                |           |
| 42.0101       | Psychology, General.   | 10               | Human Services                             | 42.0101       |                |           |
| 42.2701       | Cognitive Psychology and Psycholinguistics.                        | 10               | Human Services                             | 42.2701       |                |           |
| 42.2702       | Comparative Psychology.  | 10               | Human Services                             | 42.2702       |                |           |
| 42.2703       | Developmental and Child Psychology.                                | 10               | Human Services                             | 42.2703       |                |           |
| 42.2704       | Experimental Psychology.   | 10               | Human Services                             | 42.2704       |                |           |
| 42.2705       | Personality Psychology.  | 10               | Human Services                             | 42.2705       |                |           |
| 42.2706       | Physiological Psychology/Psychobiology.                            | 10               | Human Services                             | 42.2706       |                |           |
| 42.2707       | Social Psychology.   | 10               | Human Services                             | 42.2707       |                |           |
| 42.2708       | Psychometrics and Quantitative Psychology.                         | 10               | Human Services                             | 42.2708       |                |           |
| 42.2709       | Psychopharmacology.  | 10               | Human Services                             | 42.2709       |                |           |
| 42.2799       | Research and Experimental Psychology, Other.                       | 10               | Human Services                             | 42.2799       |                |           |
| 42.2801       | Clinical Psychology.   | 10               | Human Services                             | 42.2801       |                |           |
| 42.2802       | Community Psychology.  | 10               | Human Services                             | 42.2802       |                |           |
| 42.2803       | Counseling Psychology.   | 10               | Human Services                             | 42.2803       |                |           |
| 42.2804       | Industrial and Organizational Psychology.                          | 10               | Human Services                             | 42.2804       |                |           |
| 42.2805       | School Psychology.   | 10               | Human Services                             | 42.2805       |                |           |
| 42.2806       | Educational Psychology.  | 10               | Human Services                             | 42.2806       |                |           |
| 42.2807       | Clinical Child Psychology.   | 10               | Human Services                             | 42.2807       |                |           |
| 42.2808       | Environmental Psychology.  | 10               | Human Services                             | 42.2808       |                |           |
| 42.2809       | Geropsychology.  | 10               | Human Services                             | 42.2809       |                |           |
| 42.2810       | Health/Medical Psychology.   | 10               | Human Services                             | 42.2810       |                |           |
| 42.2811       | Family Psychology.   | 10               | Human Services                             | 42.2811       |                |           |
| 42.2812       | Forensic Psychology.   | 10               | Human Services                             | 42.2812       |                |           |
| 42.2813       | Applied Psychology.  | 10               | Human Services                             | 42.2813       |                |           |
| 42.2814       | Applied Behavior Analysis.   | 10               | Human Services                             | 42.2814       |                |           |
| 42.2899       | Clinical, Counseling and Applied Psychology, Other.                | 10               | Human Services                             | 42.2899       |                |           |
| 42.9999       | Psychology, Other.   | 10               | Human Services                             | 42.9999       |                |           |
| 43.0102       | Corrections.   | 12               | Law, Public Safety, Corrections & Security | 43.0102       | F 2/           | See Notes |
| 43.0103       | Criminal Justice/Law Enforcement Administration.                   | 12               | Law, Public Safety, Corrections & Security | 43.0103       | F              |           |
| 43.0104       | Criminal Justice/Safety Studies.                                   | 12               | Law, Public Safety, Corrections & Security | 43.0104       | F 2/           | See Notes |
| 43.0106       | Forensic Science and Technology.                                   | 12               | Law, Public Safety, Corrections & Security | 43.0106       |                |           |
| 43.0107       | Criminal Justice/Police Science.                                   | 12               | Law, Public Safety, Corrections & Security | 43.0107       | F              |           |
| 43.0109       | Security and Loss Prevention Services.                             | 12               | Law, Public Safety, Corrections & Security | 43.0109       | F              |           |
| 43.0110       | Juvenile Corrections.  | 12               | Law, Public Safety, Corrections & Security | 43.0110       | F 2/           | See Notes |
| 43.0111       | Criminalistics and Criminal Science.                               | 12               | Law, Public Safety, Corrections & Security | 43.0111       | F 2/           | See Notes |
| 43.0112       | Securities Services Administration/Management.                     | 12               | Law, Public Safety, Corrections & Security | 43.0112       | F 2/           | See Notes |
| 43.0113       | Corrections Administration.  | 12               | Law, Public Safety, Corrections & Security | 43.0113       |                |           |
| 43.0114       | Law Enforcement Investigation and Interviewing.                    | 12               | Law, Public Safety, Corrections & Security | 43.0114       |                |           |
| 43.0115       | Law Enforcement Record-Keeping and Evidence Management.            | 12               | Law, Public Safety, Corrections & Security | 43.0115       |                |           |
| 43.0116       | Cyber/Computer Forensics and Counterterrorism.                     | 12               | Law, Public Safety, Corrections & Security | 43.0116       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--|---------------|----------------|-----------|
| 43.0117       | Financial Forensics and Fraud Investigation.                      | 12               | Law, Public Safety, Corrections & Security     | 43.0117       |                |           |
| 43.0118       | Law Enforcement Intelligence Analysis.                            | 12               | Law, Public Safety, Corrections & Security     | 43.0118       |                |           |
| 43.0119       | Critical Incident Response/Special Police Operations.             | 12               | Law, Public Safety, Corrections & Security     | 43.0119       | F              |           |
| 43.0120       | Protective Services Operations.                                   | 12               | Law, Public Safety, Corrections & Security     | 43.0120       | F              |           |
| 43.0121       | Suspension and Debarment Investigation.                           | 12               | Law, Public Safety, Corrections & Security     | 43.0121       |                |           |
| 43.0122       | Maritime Law Enforcement.   | 12               | Law, Public Safety, Corrections & Security     | 43.0122       | F              |           |
| 43.0123       | Cultural/Archaeological Resources Protection.                     | 12               | Law, Public Safety, Corrections & Security     | 43.0123       |                |           |
| 43.0199       | Corrections and Criminal Justice, Other.                          | 12               | Law, Public Safety, Corrections & Security     | 43.0199       |                |           |
| 43.0201       | Fire Prevention and Safety Technology/Technician.                 | 12               | Law, Public Safety, Corrections & Security     | 43.0201       | F              |           |
| 43.0202       | Fire Services Administration.                                     | 12               | Law, Public Safety, Corrections & Security     | 43.0202       | F              |           |
| 43.0203       | Fire Science/Fire-fighting.                                       | 12               | Law, Public Safety, Corrections & Security     | 43.0203       | F              |           |
| 43.0204       | Fire Systems Technology.  | 12               | Law, Public Safety, Corrections & Security     | 43.0204       | <u>1/</u>      | See Notes |
| 43.0205       | Fire/Arson Investigation and Prevention.                          | 12               | Law, Public Safety, Corrections & Security     | 43.0205       | F              |           |
| 43.0206       | Wildland/Forest Firefighting and Investigation.                   | 12               | Law, Public Safety, Corrections & Security     | 43.0206       | F              |           |
| 43.0299       | Fire Protection, Other.   | 12               | Law, Public Safety, Corrections & Security     | 43.0299       | F              |           |
| 43.0301       | Homeland Security.  | 12               | Law, Public Safety, Corrections & Security     | 43.0301       |                |           |
| 43.0302       | Crisis/Emergency/Disaster Management.                             | 12               | Law, Public Safety, Corrections & Security     | 43.0302       |                |           |
| 43.0303       | Critical Infrastructure Protection.                               | 12               | Law, Public Safety, Corrections & Security     | 43.0303       |                |           |
| 43.0304       | Terrorism and Counterterrorism Operations.                        | 12               | Law, Public Safety, Corrections & Security     | 43.0304       |                |           |
| 43.0399       | Homeland Security, Other.   | 12               | Law, Public Safety, Corrections & Security     | 43.0399       |                |           |
| 43.9999       | Homeland Security, Law Enforcement, Firefighting and Related Prof | 12               | Law, Public Safety, Corrections & Security     | 43.9999       | <u>1/</u>      | See Notes |
| 44.0000       | Human Services, General.  | 10               | Human Services                                 | 44.0000       |                |           |
| 44.0201       | Community Organization and Advocacy.                              | 10               | Human Services                                 | 44.0201       | F <u>2/</u>    | See Notes |
| 44.0401       | Public Administration.  | 7                | Government & Public Administration             | 44.0401       | F <u>2/</u>    | See Notes |
| 44.0501       | Public Policy Analysis, General.                                  | 7                | Government & Public Administration             | 44.0501       | F <u>2/</u>    | See Notes |
| 44.0502       | Education Policy Analysis.  | 7                | Government & Public Administration             | 44.0502       |                |           |
| 44.0503       | Health Policy Analysis.   | 7                | Government & Public Administration             | 44.0503       |                |           |
| 44.0504       | International Policy Analysis.                                    | 7                | Government & Public Administration             | 44.0504       |                |           |
| 44.0599       | Public Policy Analysis, Other.                                    | 7                | Government & Public Administration             | 44.0599       | <u>1/</u>      | See Notes |
| 44.0701       | Social Work.  | 10               | Human Services                                 | 44.0701       | M              |           |
| 44.0702       | Youth Services/Administration.                                    | 10               | Human Services                                 | 44.0702       | M              |           |
| 44.0799       | Social Work, Other.   | 10               | Human Services                                 | 44.0799       | M              |           |
| 44.9999       | Public Administration and Social Service Professions, Other.      | 7                | Government & Public Administration             | 44.9999       | <u>1/</u>      | See Notes |
| 45.0101       | Social Sciences, General.   | 15               | Science, Technology, Engineering & Mathematics | 45.0101       |                |           |
| 45.0102       | Research Methodology and Quantitative Methods.                    | 15               | Science, Technology, Engineering & Mathematics | 45.0102       |                |           |
| 45.0201       | Anthropology.   | 15               | Science, Technology, Engineering & Mathematics | 45.0201       |                |           |
| 45.0202       | Physical and Biological Anthropology.                             | 15               | Science, Technology, Engineering & Mathematics | 45.0202       |                |           |
| 45.0203       | Medical Anthropology.   | 15               | Science, Technology, Engineering & Mathematics | 45.0203       |                |           |
| 45.0204       | Cultural Anthropology.  | 15               | Science, Technology, Engineering & Mathematics | 45.0204       |                |           |
| 45.0299       | Anthropology, Other.  | 15               | Science, Technology, Engineering & Mathematics | 45.0299       |                |           |
| 45.0301       | Archeology.   | 15               | Science, Technology, Engineering & Mathematics | 45.0301       |                |           |
| 45.0401       | Criminology.  | 15               | Science, Technology, Engineering & Mathematics | 45.0401       |                |           |
| 45.0501       | Demography and Population Studies.                                | 15               | Science, Technology, Engineering & Mathematics | 45.0501       |                |           |
| 45.0601       | Economics, General.   | 15               | Science, Technology, Engineering & Mathematics | 45.0601       |                |           |
| 45.0602       | Applied Economics.  | 15               | Science, Technology, Engineering & Mathematics | 45.0602       |                |           |
| 45.0603       | Econometrics and Quantitative Economics.                          | 15               | Science, Technology, Engineering & Mathematics | 45.0603       |                |           |
| 45.0604       | Development Economics and International Development.              | 15               | Science, Technology, Engineering & Mathematics | 45.0604       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--|---------------|----------------|-----------|
| 45.0605       | International Economics.  | 15               | Science, Technology, Engineering & Mathematics | 45.0605       |                |           |
| 45.0699       | Economics, Other.   | 15               | Science, Technology, Engineering & Mathematics | 45.0699       |                |           |
| 45.0701       | Geography.  | 15               | Science, Technology, Engineering & Mathematics | 45.0701       |                |           |
| 45.0702       | Geographic Information Science and Cartography.                     | 15               | Science, Technology, Engineering & Mathematics | 45.0702       | F              |           |
| 45.0799       | Geography, Other.   | 15               | Science, Technology, Engineering & Mathematics | 45.0799       |                |           |
| 45.0901       | International Relations and Affairs.                                | 7                | Government & Public Administration             | 45.0901       |                |           |
| 45.0902       | National Security Policy Studies.                                   | 15               | Science, Technology, Engineering & Mathematics | 45.0902       |                |           |
| 45.0999       | International Relations and National Security Studies, Other.       | 15               | Science, Technology, Engineering & Mathematics | 45.0999       |                |           |
| 45.1001       | Political Science and Government, General.                          | 7                | Government & Public Administration             | 45.1001       |                |           |
| 45.1002       | American Government and Politics (United States).                   | 7                | Government & Public Administration             | 45.1002       |                |           |
| 45.1003       | Canadian Government and Politics.                                   | 7                | Government & Public Administration             | 45.1003       |                |           |
| 45.1004       | Political Economy.  | 15               | Science, Technology, Engineering & Mathematics | 45.1004       |                |           |
| 45.1099       | Political Science and Government, Other.                            | 7                | Government & Public Administration             | 45.1099       |                |           |
| 45.1101       | Sociology.  | 15               | Science, Technology, Engineering & Mathematics | 45.1101       |                |           |
| 45.1201       | Urban Studies/Affairs.  | 7                | Government & Public Administration             | 45.1201       |                |           |
| 45.1301       | Sociology and Anthropology.   | 15               | Science, Technology, Engineering & Mathematics | 45.1301       |                |           |
| 45.1401       | Rural Sociology.  | 15               | Science, Technology, Engineering & Mathematics | 45.1401       |                |           |
| 45.9999       | Social Sciences, Other.   | 15               | Science, Technology, Engineering & Mathematics | 45.9999       |                |           |
| 46.0000       | Construction Trades, General.                                       | 2                | Architecture & Construction                    | 46.0000       | F              |           |
| 46.0101       | Mason/Masonry.  | 2                | Architecture & Construction                    | 46.0101       | F              |           |
| 46.0201       | Carpentry/Carpenter.  | 2                | Architecture & Construction                    | 46.0201       | F              |           |
| 46.0301       | Electrical and Power Transmission Installation/Installer, General.  | 2                | Architecture & Construction                    | 46.0301       | F              |           |
| 46.0302       | Electrician.  | 2                | Architecture & Construction                    | 46.0302       | F              |           |
| 46.0303       | Lineworker.   | 2                | Architecture & Construction                    | 46.0303       | F              |           |
| 46.0399       | Electrical and Power Transmission Installers, Other.                | 2                | Architecture & Construction                    | 46.0399       | F              |           |
| 46.0401       | Building/Property Maintenance.                                      | 2                | Architecture & Construction                    | 46.0401       | F              |           |
| 46.0402       | Concrete Finishing/Concrete Finisher.                               | 2                | Architecture & Construction                    | 46.0402       | F              |           |
| 46.0403       | Building/Home/Construction Inspection/Inspector.                    | 2                | Architecture & Construction                    | 46.0403       | F              |           |
| 46.0404       | Drywall Installation/Drywaller.                                     | 2                | Architecture & Construction                    | 46.0404       | F              |           |
| 46.0406       | Glazier.  | 2                | Architecture & Construction                    | 46.0406       | F              |           |
| 46.0408       | Painting/Painter and Wall Coverer.                                  | 2                | Architecture & Construction                    | 46.0408       | F              |           |
| 46.0410       | Roofer.   | 2                | Architecture & Construction                    | 46.0410       | F              |           |
| 46.0411       | Metal Building Assembly/Assembler.                                  | 2                | Architecture & Construction                    | 46.0411       | F              |           |
| 46.0412       | Building/Construction Site Management/Manager.                      | 2                | Architecture & Construction                    | 46.0412       | F              |           |
| 46.0413       | Carpet, Floor, and Tile Worker.                                     | 2                | Architecture & Construction                    | 46.0413       | F              |           |
| 46.0414       | Insulator.  | 2                | Architecture & Construction                    | 46.0414       | F              |           |
| 46.0415       | Building Construction Technology.                                   | 2                | Architecture & Construction                    | 46.0415       | F              |           |
| 46.0499       | Building/Construction Finishing, Management, and Inspection, Other. | 2                | Architecture & Construction                    | 46.0499       | <u>1/</u>      | See Notes |
| 46.0502       | Pipefitting/Pipefitter and Sprinkler Fitter.                        | 2                | Architecture & Construction                    | 46.0502       | F              |           |
| 46.0503       | Plumbing Technology/Plumber.  | 2                | Architecture & Construction                    | 46.0503       | F              |           |
| 46.0504       | Well Drilling/Driller.  | 2                | Architecture & Construction                    | 46.0504       | F              |           |
| 46.0505       | Blasting/Blaster.   | 2                | Architecture & Construction                    | 46.0505       | F              |           |
| 46.0599       | Plumbing and Related Water Supply Services, Other.                  | 2                | Architecture & Construction                    | 46.0599       | F              |           |
| 46.9999       | Construction Trades, Other.   | 2                | Architecture & Construction                    | 46.9999       | <u>1/</u>      | See Notes |
| 47.0000       | Mechanics and Repairers, General.                                   | 16               | Transportation, Distribution & Logistics       | 47.0000       | <u>1/</u>      | See Notes |
| 47.0101       | Electrical/Electronics Equipment Installation and Repair, General.  | 13               | Manufacturing                                  | 47.0101       | F              |           |
| 47.0102       | Business Machine Repair.  | 13               | Manufacturing                                  | 47.0102       | F              |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010                 | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|--|------------------|---|---------------|----------------|-----------|
| 47.0103       | Communications Systems Installation and Repair Technology.           | 3                | Arts, Audio/Video Technology & Communications | 47.0103       | F              |           |
| 47.0104       | Computer Installation and Repair Technology/Technician.              | 13               | Manufacturing                                 | 47.0104       | F              |           |
| 47.0105       | Industrial Electronics Technology/Technician.                        | 13               | Manufacturing                                 | 47.0105       | F              |           |
| 47.0106       | Appliance Installation and Repair Technology/Technician.             | 13               | Manufacturing                                 | 47.0106       | F              |           |
| 47.0110       | Security System Installation, Repair, and Inspection Technology/Tec  | 2                | Architecture & Construction                   | 47.0110       | F              |           |
| 47.0199       | Electrical/Electronics Maintenance and Repair Technology, Other.     | 13               | Manufacturing                                 | 47.0199       | <u>1/</u>      | See Notes |
| 47.0201       | Heating, Air Conditioning, Ventilation and Refrigeration Maintenance | 2                | Architecture & Construction                   | 47.0201       | F              |           |
| 47.0302       | Heavy Equipment Maintenance Technology/Technician.                   | 16               | Transportation, Distribution & Logistics      | 47.0302       | F              |           |
| 47.0303       | Industrial Mechanics and Maintenance Technology.                     | 13               | Manufacturing                                 | 47.0303       | F              |           |
| 47.0399       | Heavy/Industrial Equipment Maintenance Technologies, Other.          | 13               | Manufacturing                                 | 47.0399       | <u>1/</u>      | See Notes |
| 47.0402       | Gunsmithing/Gunsmith.  | 13               | Manufacturing                                 | 47.0402       | F              |           |
| 47.0403       | Locksmithing and Safe Repair.  | 13               | Manufacturing                                 | 47.0403       | F              |           |
| 47.0404       | Musical Instrument Fabrication and Repair.                           | 13               | Manufacturing                                 | 47.0404       | F              |           |
| 47.0408       | Watchmaking and Jewelmaking.   | 13               | Manufacturing                                 | 47.0408       | F <u>2/</u>    | See Notes |
| 47.0409       | Parts and Warehousing Operations and Maintenance Technology/T        | 13               | Manufacturing                                 | 47.0409       | F              |           |
| 47.0499       | Precision Systems Maintenance and Repair Technologies, Other.        | 13               | Manufacturing                                 | 47.0499       | F              |           |
| 47.0600       | Vehicle Maintenance and Repair Technologies, General.                | 16               | Transportation, Distribution & Logistics      | 47.0600       | F              |           |
| 47.0603       | Autobody/Collision and Repair Technology/Technician.                 | 16               | Transportation, Distribution & Logistics      | 47.0603       | F              |           |
| 47.0604       | Automobile/Automotive Mechanics Technology/Technician.               | 16               | Transportation, Distribution & Logistics      | 47.0604       | F              |           |
| 47.0605       | Diesel Mechanics Technology/Technician.                              | 16               | Transportation, Distribution & Logistics      | 47.0605       | F              |           |
| 47.0606       | Small Engine Mechanics and Repair Technology/Technician.             | 16               | Transportation, Distribution & Logistics      | 47.0606       | F              |           |
| 47.0607       | Airframe Mechanics and Aircraft Maintenance Technology/Technicia     | 16               | Transportation, Distribution & Logistics      | 47.0607       | F              |           |
| 47.0608       | Aircraft Powerplant Technology/Technician.                           | 16               | Transportation, Distribution & Logistics      | 47.0608       | F              |           |
| 47.0609       | Avionics Maintenance Technology/Technician.                          | 16               | Transportation, Distribution & Logistics      | 47.0609       | F              |           |
| 47.0610       | Bicycle Mechanics and Repair Technology/Technician.                  | 16               | Transportation, Distribution & Logistics      | 47.0610       | F              |           |
| 47.0611       | Motorcycle Maintenance and Repair Technology/Technician.             | 16               | Transportation, Distribution & Logistics      | 47.0611       | F              |           |
| 47.0612       | Vehicle Emissions Inspection and Maintenance Technology/Technic      | 16               | Transportation, Distribution & Logistics      | 47.0612       | F              |           |
| 47.0613       | Medium/Heavy Vehicle and Truck Technology/Technician.                | 16               | Transportation, Distribution & Logistics      | 47.0613       | F              |           |
| 47.0614       | Alternative Fuel Vehicle Technology/Technician.                      | 16               | Transportation, Distribution & Logistics      | 47.0614       | F              |           |
| 47.0615       | Engine Machinist.  | 16               | Transportation, Distribution & Logistics      | 47.0615       | F              |           |
| 47.0616       | Marine Maintenance/Fitter and Ship Repair Technology/Technician.     | 16               | Transportation, Distribution & Logistics      | 47.0616       | F              |           |
| 47.0617       | High Performance and Custom Engine Technician/Mechanic.              | 16               | Transportation, Distribution & Logistics      | 47.0617       | F              |           |
| 47.0618       | Recreation Vehicle (RV) Service Technician.                          | 16               | Transportation, Distribution & Logistics      | 47.0618       | F              |           |
| 47.0699       | Vehicle Maintenance and Repair Technologies, Other.                  | 16               | Transportation, Distribution & Logistics      | 47.0699       | <u>1/</u>      | See Notes |
| 47.9999       | Mechanic and Repair Technologies/Technicians, Other.                 | 16               | Transportation, Distribution & Logistics      | 47.9999       | <u>1/</u>      | See Notes |
| 48.0000       | Precision Production Trades, General.                                | 13               | Manufacturing                                 | 48.0000       | <u>1/</u>      | See Notes |
| 48.0303       | Upholstery/Upholsterer.  | 13               | Manufacturing                                 | 48.0303       | F              |           |
| 48.0304       | Shoe, Boot and Leather Repair.                                       | 13               | Manufacturing                                 | 48.0304       | F              |           |
| 48.0399       | Leatherworking and Upholstery, Other.                                | 13               | Manufacturing                                 | 48.0399       | <u>1/</u>      | See Notes |
| 48.0501       | Machine Tool Technology/Machinist.                                   | 13               | Manufacturing                                 | 48.0501       | F              |           |
| 48.0503       | Machine Shop Technology/Assistant.                                   | 13               | Manufacturing                                 | 48.0503       | F              |           |
| 48.0506       | Sheet Metal Technology/Sheetworking.                                 | 13               | Manufacturing                                 | 48.0506       | F              |           |
| 48.0507       | Tool and Die Technology/Technician.                                  | 13               | Manufacturing                                 | 48.0507       | F              |           |
| 48.0508       | Welding Technology/Welder.   | 13               | Manufacturing                                 | 48.0508       | F              |           |
| 48.0509       | Ironworking/Ironworker.  | 2                | Architecture & Construction                   | 48.0509       |                |           |
| 48.0510       | Computer Numerically Controlled (CNC) Machinist Technology/CNC       | 13               | Manufacturing                                 | 48.0510       | F              |           |
| 48.0511       | Metal Fabricator.  | 13               | Manufacturing                                 | 48.0511       | F              |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010                 | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|--|------------------|---|---------------|----------------|-----------|
| 48.0599       | Precision Metal Working, Other.                                  | 13               | Manufacturing                                 | 48.0599       |                |           |
| 48.0701       | Woodworking, General.  | 13               | Manufacturing                                 | 48.0701       | F              |           |
| 48.0702       | Furniture Design and Manufacturing.                              | 13               | Manufacturing                                 | 48.0702       |                |           |
| 48.0703       | Cabinetmaking and Millwork.                                      | 13               | Manufacturing                                 | 48.0703       | F              |           |
| 48.0799       | Woodworking, Other.  | 13               | Manufacturing                                 | 48.0799       | F              |           |
| 48.0801       | Boilermaking/Boilermaker.  | 2                | Architecture & Construction                   | 48.0801       | F              |           |
| 48.9999       | Precision Production, Other.                                     | 13               | Manufacturing                                 | 48.9999       | <u>1/</u>      | See Notes |
| 49.0101       | Aeronautics/Aviation/Aerospace Science and Technology, General.  | 16               | Transportation, Distribution & Logistics      | 49.0101       | F              |           |
| 49.0102       | Airline/Commercial/Professional Pilot and Flight Crew.           | 16               | Transportation, Distribution & Logistics      | 49.0102       | F              |           |
| 49.0104       | Aviation/Airway Management and Operations.                       | 16               | Transportation, Distribution & Logistics      | 49.0104       | F              |           |
| 49.0105       | Air Traffic Controller.  | 16               | Transportation, Distribution & Logistics      | 49.0105       | F              |           |
| 49.0106       | Airline Flight Attendant.  | 16               | Transportation, Distribution & Logistics      | 49.0106       |                |           |
| 49.0108       | Flight Instructor.   | 16               | Transportation, Distribution & Logistics      | 49.0108       | F              |           |
| 49.0199       | Air Transportation, Other.                                       | 16               | Transportation, Distribution & Logistics      | 49.0199       | <u>1/</u>      | See Notes |
| 49.0202       | Construction/Heavy Equipment/Earthmoving Equipment Operation.    | 2                | Architecture & Construction                   | 49.0202       | F              |           |
| 49.0205       | Truck and Bus Driver/Commercial Vehicle Operator and Instructor. | 16               | Transportation, Distribution & Logistics      | 49.0205       | F              |           |
| 49.0206       | Mobil Crane Operation/Operator.                                  | 2                | Architecture & Construction                   | 49.0206       | F              |           |
| 49.0207       | Flagging and Traffic Control.                                    | 16               | Transportation, Distribution & Logistics      | 49.0207       | F              |           |
| 49.0208       | Railroad and Railway Transportation.                             | 16               | Transportation, Distribution & Logistics      | 49.0208       | F              |           |
| 49.0299       | Ground Transportation, Other.                                    | 16               | Transportation, Distribution & Logistics      | 49.0299       | <u>1/</u>      | See Notes |
| 49.0303       | Commercial Fishing.  | 1                | Agriculture, Food & Natural Resources         | 49.0303       | F              |           |
| 49.0304       | Diver, Professional and Instructor.                              | 2                | Architecture & Construction                   | 49.0304       |                |           |
| 49.0309       | Marine Science/Merchant Marine Officer.                          | 16               | Transportation, Distribution & Logistics      | 49.0309       | F              |           |
| 49.0399       | Marine Transportation, Other.                                    | 16               | Transportation, Distribution & Logistics      | 49.0399       | <u>1/</u>      | See Notes |
| 49.9999       | Transportation and Materials Moving, Other.                      | 16               | Transportation, Distribution & Logistics      | 49.9999       | <u>1/</u>      | See Notes |
| 50.0101       | Visual and Performing Arts, General.                             | 3                | Arts, Audio/Video Technology & Communications | 50.0101       |                |           |
| 50.0102       | Digital Arts.  | 3                | Arts, Audio/Video Technology & Communications | 50.0102       |                |           |
| 50.0201       | Crafts/Craft Design, Folk Art and Artisanry.                     | 3                | Arts, Audio/Video Technology & Communications | 50.0201       |                |           |
| 50.0301       | Dance, General.  | 3                | Arts, Audio/Video Technology & Communications | 50.0301       |                |           |
| 50.0302       | Ballet.  | 3                | Arts, Audio/Video Technology & Communications | 50.0302       |                |           |
| 50.0399       | Dance, Other.  | 3                | Arts, Audio/Video Technology & Communications | 50.0399       |                |           |
| 50.0401       | Design and Visual Communications, General.                       | 3                | Arts, Audio/Video Technology & Communications | 50.0401       |                |           |
| 50.0402       | Commercial and Advertising Art.                                  | 3                | Arts, Audio/Video Technology & Communications | 50.0402       |                |           |
| 50.0404       | Industrial and Product Design.                                   | 3                | Arts, Audio/Video Technology & Communications | 50.0404       |                |           |
| 50.0406       | Commercial Photography.  | 3                | Arts, Audio/Video Technology & Communications | 50.0406       |                |           |
| 50.0407       | Fashion/Apparel Design.  | 3                | Arts, Audio/Video Technology & Communications | 50.0407       |                |           |
| 50.0408       | Interior Design.   | 2                | Architecture & Construction                   | 50.0408       |                |           |
| 50.0409       | Graphic Design.  | 3                | Arts, Audio/Video Technology & Communications | 50.0409       |                |           |
| 50.0410       | Illustration.  | 3                | Arts, Audio/Video Technology & Communications | 50.0410       |                |           |
| 50.0411       | Game and Interactive Media Design.                               | 3                | Arts, Audio/Video Technology & Communications | 50.0411       |                |           |
| 50.0499       | Design and Applied Arts, Other.                                  | 3                | Arts, Audio/Video Technology & Communications | 50.0499       | <u>1/</u>      | See Notes |
| 50.0501       | Drama and Dramatics/Theatre Arts, General.                       | 3                | Arts, Audio/Video Technology & Communications | 50.0501       |                |           |
| 50.0502       | Technical Theatre/Theatre Design and Technology.                 | 3                | Arts, Audio/Video Technology & Communications | 50.0502       |                |           |
| 50.0504       | Playwriting and Screenwriting.                                   | 3                | Arts, Audio/Video Technology & Communications | 50.0504       |                |           |
| 50.0505       | Theatre Literature, History and Criticism.                       | 3                | Arts, Audio/Video Technology & Communications | 50.0505       |                |           |
| 50.0506       | Acting.  | 3                | Arts, Audio/Video Technology & Communications | 50.0506       |                |           |
| 50.0507       | Directing and Theatrical Production.                             | 3                | Arts, Audio/Video Technology & Communications | 50.0507       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                 | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|---|---------------|----------------|-----------|
| 50.0509       | Musical Theatre.  | 3                | Arts, Audio/Video Technology & Communications | 50.0509       |                |           |
| 50.0510       | Costume Design.   | 3                | Arts, Audio/Video Technology & Communications | 50.0510       |                |           |
| 50.0599       | Dramatic/Theatre Arts and Stagecraft, Other.            | 3                | Arts, Audio/Video Technology & Communications | 50.0599       |                |           |
| 50.0601       | Film/Cinema/Video Studies.                              | 3                | Arts, Audio/Video Technology & Communications | 50.0601       |                |           |
| 50.0602       | Cinematography and Film/Video Production.               | 3                | Arts, Audio/Video Technology & Communications | 50.0602       | F              |           |
| 50.0605       | Photography.  | 3                | Arts, Audio/Video Technology & Communications | 50.0605       |                |           |
| 50.0607       | Documentary Production.                                 | 3                | Arts, Audio/Video Technology & Communications | 50.0607       | F              |           |
| 50.0699       | Film/Video and Photographic Arts, Other.                | 3                | Arts, Audio/Video Technology & Communications | 50.0699       |                |           |
| 50.0701       | Art/Art Studies, General.                               | 3                | Arts, Audio/Video Technology & Communications | 50.0701       |                |           |
| 50.0702       | Fine/Studio Arts, General.                              | 3                | Arts, Audio/Video Technology & Communications | 50.0702       |                |           |
| 50.0703       | Art History, Criticism and Conservation.                | 3                | Arts, Audio/Video Technology & Communications | 50.0703       |                |           |
| 50.0705       | Drawing.  | 3                | Arts, Audio/Video Technology & Communications | 50.0705       |                |           |
| 50.0706       | Intermedia/Multimedia.                                  | 3                | Arts, Audio/Video Technology & Communications | 50.0706       |                |           |
| 50.0708       | Painting.   | 3                | Arts, Audio/Video Technology & Communications | 50.0708       |                |           |
| 50.0709       | Sculpture.  | 3                | Arts, Audio/Video Technology & Communications | 50.0709       |                |           |
| 50.0710       | Printmaking.  | 3                | Arts, Audio/Video Technology & Communications | 50.0710       |                |           |
| 50.0711       | Ceramic Arts and Ceramics.                              | 3                | Arts, Audio/Video Technology & Communications | 50.0711       |                |           |
| 50.0712       | Fiber, Textile and Weaving Arts.                        | 3                | Arts, Audio/Video Technology & Communications | 50.0712       |                |           |
| 50.0713       | Metal and Jewelry Arts.                                 | 3                | Arts, Audio/Video Technology & Communications | 50.0713       |                |           |
| 50.0799       | Fine Arts and Art Studies, Other.                       | 3                | Arts, Audio/Video Technology & Communications | 50.0799       |                |           |
| 50.0901       | Music, General.   | 3                | Arts, Audio/Video Technology & Communications | 50.0901       |                |           |
| 50.0902       | Music History, Literature, and Theory.                  | 3                | Arts, Audio/Video Technology & Communications | 50.0902       |                |           |
| 50.0903       | Music Performance, General.                             | 3                | Arts, Audio/Video Technology & Communications | 50.0903       |                |           |
| 50.0904       | Music Theory and Composition.                           | 3                | Arts, Audio/Video Technology & Communications | 50.0904       |                |           |
| 50.0905       | Musicology and Ethnomusicology.                         | 3                | Arts, Audio/Video Technology & Communications | 50.0905       |                |           |
| 50.0906       | Conducting.   | 3                | Arts, Audio/Video Technology & Communications | 50.0906       |                |           |
| 50.0907       | Keyboard Instruments.                                   | 3                | Arts, Audio/Video Technology & Communications | 50.0907       |                |           |
| 50.0908       | Voice and Opera.  | 3                | Arts, Audio/Video Technology & Communications | 50.0908       |                |           |
| 50.0910       | Jazz/Jazz Studies.                                      | 3                | Arts, Audio/Video Technology & Communications | 50.0910       |                |           |
| 50.0911       | Stringed Instruments.                                   | 3                | Arts, Audio/Video Technology & Communications | 50.0911       |                |           |
| 50.0912       | Music Pedagogy.   | 3                | Arts, Audio/Video Technology & Communications | 50.0912       |                |           |
| 50.0913       | Music Technology.                                       | 3                | Arts, Audio/Video Technology & Communications | 50.0913       |                |           |
| 50.0914       | Brass Instruments.                                      | 3                | Arts, Audio/Video Technology & Communications | 50.0914       |                |           |
| 50.0915       | Woodwind Instruments.                                   | 3                | Arts, Audio/Video Technology & Communications | 50.0915       |                |           |
| 50.0916       | Percussion Instruments.                                 | 3                | Arts, Audio/Video Technology & Communications | 50.0916       |                |           |
| 50.0999       | Music, Other.   | 3                | Arts, Audio/Video Technology & Communications | 50.0999       |                |           |
| 50.1001       | Arts, Entertainment, and Media Management, General.     | 3                | Arts, Audio/Video Technology & Communications | 50.1001       |                |           |
| 50.1002       | Fine and Studio Arts Management.                        | 3                | Arts, Audio/Video Technology & Communications | 50.1002       |                |           |
| 50.1003       | Music Management.                                       | 3                | Arts, Audio/Video Technology & Communications | 50.1003       |                |           |
| 50.1004       | Theatre/Theatre Arts Management.                        | 3                | Arts, Audio/Video Technology & Communications | 50.1004       |                |           |
| 50.1099       | Arts, Entertainment, and Media Management, Other.       | 3                | Arts, Audio/Video Technology & Communications | 50.1099       |                |           |
| 50.9999       | Visual and Performing Arts, Other.                      | 3                | Arts, Audio/Video Technology & Communications | 50.9999       |                |           |
| 51.0000       | Health Services/Allied Health/Health Sciences, General. | 8                | Health Science                                | 51.0000       | <u>1</u>       | See Notes |
| 51.0001       | Health and Wellness, General.                           | 8                | Health Science                                | 51.0001       |                |           |
| 51.0101       | Chiropractic.   | 8                | Health Science                                | 51.0101       | F              |           |
| 51.0201       | Communication Sciences and Disorders, General.          | 8                | Health Science                                | 51.0201       | M              |           |
| 51.0202       | Audiology/Audiologist.                                  | 8                | Health Science                                | 51.0202       | M              |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6 2010 | CIPTitle_2010   | Rec Clust No. | Recommended Cluster Name_2010 | CIP 6 2010 | Nontraditional | Notes     |
|------------|---|---------------|-------------------------------|------------|----------------|-----------|
| 51.0203    | Speech-Language Pathology/Pathologist.                            | 8             | Health Science                | 51.0203    | M              |           |
| 51.0204    | Audiology/Audiologist and Speech-Language Pathology/Pathologist   | 8             | Health Science                | 51.0204    | M              |           |
| 51.0299    | Communication Disorders Sciences and Services, Other.             | 8             | Health Science                | 51.0299    | M              |           |
| 51.0401    | Dentistry.  | 8             | Health Science                | 51.0401    | F              |           |
| 51.0501    | Dental Clinical Sciences, General.                                | 8             | Health Science                | 51.0501    | F              |           |
| 51.0502    | Advanced General Dentistry.                                       | 8             | Health Science                | 51.0502    | F              |           |
| 51.0503    | Oral Biology and Oral and Maxillofacial Pathology.                | 8             | Health Science                | 51.0503    | F              |           |
| 51.0504    | Dental Public Health and Education.                               | 8             | Health Science                | 51.0504    | F              |           |
| 51.0505    | Dental Materials.   | 8             | Health Science                | 51.0505    | F              |           |
| 51.0506    | Endodontics/Endodontology.  | 8             | Health Science                | 51.0506    | F              |           |
| 51.0507    | Oral/Maxillofacial Surgery.                                       | 8             | Health Science                | 51.0507    | F              |           |
| 51.0508    | Orthodontics/Orthodontology.                                      | 8             | Health Science                | 51.0508    | F              |           |
| 51.0509    | Pediatric Dentistry/Pedodontics.                                  | 8             | Health Science                | 51.0509    | F              |           |
| 51.0510    | Periodontics/Periodontology.                                      | 8             | Health Science                | 51.0510    | F              |           |
| 51.0511    | Prosthodontics/Prosthodontology.                                  | 8             | Health Science                | 51.0511    | F              |           |
| 51.0599    | Advanced/Graduate Dentistry and Oral Sciences, Other.             | 8             | Health Science                | 51.0599    | F              |           |
| 51.0601    | Dental Assisting/Assistant.                                       | 8             | Health Science                | 51.0601    | M              |           |
| 51.0602    | Dental Hygiene/Hygienist.   | 8             | Health Science                | 51.0602    | M              |           |
| 51.0603    | Dental Laboratory Technology/Technician.                          | 13            | Manufacturing                 | 51.0603    |                |           |
| 51.0699    | Dental Services and Allied Professions, Other.                    | 8             | Health Science                | 51.0699    | <u>1/</u>      | See Notes |
| 51.0701    | Health/Health Care Administration/Management.                     | 8             | Health Science                | 51.0701    |                |           |
| 51.0702    | Hospital and Health Care Facilities Administration/Management.    | 8             | Health Science                | 51.0702    |                |           |
| 51.0703    | Health Unit Coordinator/Ward Clerk.                               | 8             | Health Science                | 51.0703    | <u>1/</u>      | See Notes |
| 51.0704    | Health Unit Manager/Ward Supervisor.                              | 8             | Health Science                | 51.0704    |                |           |
| 51.0705    | Medical Office Management/Administration.                         | 8             | Health Science                | 51.0705    |                |           |
| 51.0706    | Health Information/Medical Records Administration/Administrator.  | 8             | Health Science                | 51.0706    |                |           |
| 51.0707    | Health Information/Medical Records Technology/Technician.         | 8             | Health Science                | 51.0707    | M              |           |
| 51.0708    | Medical Transcription/Transcriptionist.                           | 8             | Health Science                | 51.0708    | M              |           |
| 51.0709    | Medical Office Computer Specialist/Assistant.                     | 8             | Health Science                | 51.0709    |                |           |
| 51.0710    | Medical Office Assistant/Specialist.                              | 8             | Health Science                | 51.0710    | M              |           |
| 51.0711    | Medical/Health Management and Clinical Assistant/Specialist.      | 8             | Health Science                | 51.0711    | F              |           |
| 51.0712    | Medical Reception/Receptionist.                                   | 8             | Health Science                | 51.0712    | M              |           |
| 51.0713    | Medical Insurance Coding Specialist/Coder.                        | 8             | Health Science                | 51.0713    | M              |           |
| 51.0714    | Medical Insurance Specialist/Medical Biller.                      | 8             | Health Science                | 51.0714    | M              |           |
| 51.0715    | Health/Medical Claims Examiner.                                   | 8             | Health Science                | 51.0715    |                |           |
| 51.0716    | Medical Administrative/Executive Assistant and Medical Secretary. | 8             | Health Science                | 51.0716    | M              |           |
| 51.0717    | Medical Staff Services Technology/Technician.                     | 8             | Health Science                | 51.0717    | <u>1/</u>      | See Notes |
| 51.0718    | Long Term Care Administration/Management.                         | 8             | Health Science                | 51.0718    |                |           |
| 51.0719    | Clinical Research Coordinator.                                    | 8             | Health Science                | 51.0719    |                |           |
| 51.0799    | Health and Medical Administrative Services, Other.                | 8             | Health Science                | 51.0799    | <u>1/</u>      | See Notes |
| 51.0801    | Medical/Clinical Assistant.                                       | 8             | Health Science                | 51.0801    | M              |           |
| 51.0802    | Clinical/Medical Laboratory Assistant.                            | 8             | Health Science                | 51.0802    | M              |           |
| 51.0803    | Occupational Therapist Assistant.                                 | 8             | Health Science                | 51.0803    | M              |           |
| 51.0805    | Pharmacy Technician/Assistant.                                    | 8             | Health Science                | 51.0805    | M              |           |
| 51.0806    | Physical Therapy Technician/Assistant.                            | 8             | Health Science                | 51.0806    | M              |           |
| 51.0808    | Veterinary/Animal Health Technology/Technician and Veterinary As  | 8             | Health Science                | 51.0808    | M              |           |
| 51.0809    | Anesthesiologist Assistant.                                       | 8             | Health Science                | 51.0809    | M              |           |

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| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010 | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|-------------------------------|---------------|----------------|-----------|
| 51.0810       | Emergency Care Attendant (EMT Ambulance).                                 | 8                | Health Science                | 51.0810       |                |           |
| 51.0811       | Pathology/Pathologist Assistant.  | 8                | Health Science                | 51.0811       | M              |           |
| 51.0812       | Respiratory Therapy Technician/Assistant.                                 | 8                | Health Science                | 51.0812       | M              |           |
| 51.0813       | Chiropractic Assistant/Technician.  | 8                | Health Science                | 51.0813       | M              |           |
| 51.0814       | Radiologist Assistant.  | 8                | Health Science                | 51.0814       | M              |           |
| 51.0815       | Lactation Consultant.   | 8                | Health Science                | 51.0815       | M              |           |
| 51.0816       | Speech-Language Pathology Assistant.                                      | 8                | Health Science                | 51.0816       | M              |           |
| 51.0899       | Allied Health and Medical Assisting Services, Other.                      | 8                | Health Science                | 51.0899       | <u>1/</u>      | See Notes |
| 51.0901       | Cardiovascular Technology/Technologist.                                   | 8                | Health Science                | 51.0901       |                |           |
| 51.0902       | Electrocardiograph Technology/Technician.                                 | 8                | Health Science                | 51.0902       |                |           |
| 51.0903       | Electroneurodiagnostic/Electroencephalographic Technology/Technician.     | 8                | Health Science                | 51.0903       |                |           |
| 51.0904       | Emergency Medical Technology/Technician (EMT Paramedic).                  | 8                | Health Science                | 51.0904       | F <u>2/</u>    | See Notes |
| 51.0905       | Nuclear Medical Technology/Technologist.                                  | 8                | Health Science                | 51.0905       |                |           |
| 51.0906       | Perfusion Technology/Perfusionist.  | 8                | Health Science                | 51.0906       |                |           |
| 51.0907       | Medical Radiologic Technology/Science - Radiation Therapist.              | 8                | Health Science                | 51.0907       | M              |           |
| 51.0908       | Respiratory Care Therapy/Therapist.                                       | 8                | Health Science                | 51.0908       | M <u>2/</u>    | See Notes |
| 51.0909       | Surgical Technology/Technologist.   | 8                | Health Science                | 51.0909       | M              |           |
| 51.0910       | Diagnostic Medical Sonography/Sonographer and Ultrasound Technician.      | 8                | Health Science                | 51.0910       |                |           |
| 51.0911       | Radiologic Technology/Science - Radiographer.                             | 8                | Health Science                | 51.0911       |                |           |
| 51.0912       | Physician Assistant.  | 8                | Health Science                | 51.0912       |                |           |
| 51.0913       | Athletic Training/Trainer.  | 8                | Health Science                | 51.0913       |                |           |
| 51.0914       | Gene/Genetic Therapy.   | 8                | Health Science                | 51.0914       |                |           |
| 51.0915       | Cardiopulmonary Technology/Technologist.                                  | 8                | Health Science                | 51.0915       |                |           |
| 51.0916       | Radiation Protection/Health Physics Technician.                           | 8                | Health Science                | 51.0916       |                |           |
| 51.0917       | Polysomnography.  | 8                | Health Science                | 51.0917       |                |           |
| 51.0918       | Hearing Instrument Specialist.  | 8                | Health Science                | 51.0918       |                |           |
| 51.0919       | Mammography Technician/Technology.  | 8                | Health Science                | 51.0919       |                |           |
| 51.0920       | Magnetic Resonance Imaging (MRI) Technology/Technician.                   | 8                | Health Science                | 51.0920       |                |           |
| 51.0999       | Allied Health Diagnostic, Intervention, and Treatment Professions, Other. | 8                | Health Science                | 51.0999       | <u>1/</u>      | See Notes |
| 51.1001       | Blood Bank Technology Specialist.   | 8                | Health Science                | 51.1001       | M              |           |
| 51.1002       | Cytotechnology/Cytotechnologist.  | 8                | Health Science                | 51.1002       | M              |           |
| 51.1003       | Hematology Technology/Technician.   | 8                | Health Science                | 51.1003       | M              |           |
| 51.1004       | Clinical/Medical Laboratory Technician.                                   | 8                | Health Science                | 51.1004       | M              |           |
| 51.1005       | Clinical Laboratory Science/Medical Technology/Technologist.              | 8                | Health Science                | 51.1005       | M              |           |
| 51.1006       | Ophthalmic Laboratory Technology/Technician.                              | 13               | Manufacturing                 | 51.1006       |                |           |
| 51.1007       | Histologic Technology/Histotechnologist.                                  | 8                | Health Science                | 51.1007       | M              |           |
| 51.1008       | Histologic Technician.  | 8                | Health Science                | 51.1008       | M              |           |
| 51.1009       | Phlebotomy Technician/Phlebotomist.                                       | 8                | Health Science                | 51.1009       | M              |           |
| 51.1010       | Cytogenetics/Genetics/Clinical Genetics Technology/Technologist.          | 8                | Health Science                | 51.1010       | M              |           |
| 51.1011       | Renal/Dialysis Technologist/Technician.                                   | 8                | Health Science                | 51.1011       |                |           |
| 51.1012       | Sterile Processing Technology/Technician.                                 | 8                | Health Science                | 51.1012       | M              |           |
| 51.1099       | Clinical/Medical Laboratory Science and Allied Professions, Other.        | 8                | Health Science                | 51.1099       | M              |           |
| 51.1101       | Pre-Dentistry Studies.  | 8                | Health Science                | 51.1101       | <u>1/</u>      | See Notes |
| 51.1102       | Pre-Medicine/Pre-Medical Studies.   | 8                | Health Science                | 51.1102       | <u>1/</u>      | See Notes |
| 51.1103       | Pre-Pharmacy Studies.   | 8                | Health Science                | 51.1103       | <u>1/</u>      | See Notes |
| 51.1104       | Pre-Veterinary Studies.   | 8                | Health Science                | 51.1104       | <u>1/</u>      | See Notes |
| 51.1105       | Pre-Nursing Studies.  | 8                | Health Science                | 51.1105       | <u>1/</u>      | See Notes |

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| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--|---------------|----------------|-----------|
| 51.1106       | Pre-Chiropractic Studies.   | 8                | Health Science                                 | 51.1106       | <u>1/</u>      | See Notes |
| 51.1107       | Pre-Occupational Therapy Studies.                                   | 8                | Health Science                                 | 51.1107       | <u>1/</u>      | See Notes |
| 51.1108       | Pre-Optometry Studies.  | 8                | Health Science                                 | 51.1108       | <u>1/</u>      | See Notes |
| 51.1109       | Pre-Physical Therapy Studies.                                       | 8                | Health Science                                 | 51.1109       | <u>1/</u>      | See Notes |
| 51.1199       | Health/Medical Preparatory Programs, Other.                         | 8                | Health Science                                 | 51.1199       | <u>1/</u>      | See Notes |
| 51.1201       | Medicine.   | 8                | Health Science                                 | 51.1201       |                |           |
| 51.1401       | Medical Scientist.  | 15               | Science, Technology, Engineering & Mathematics | 51.1401       |                |           |
| 51.1501       | Substance Abuse/Addiction Counseling.                               | 10               | Human Services                                 | 51.1501       | M <u>2/</u>    | See Notes |
| 51.1502       | Psychiatric/Mental Health Services Technician.                      | 8                | Health Science                                 | 51.1502       | M              |           |
| 51.1503       | Clinical/Medical Social Work.                                       | 10               | Human Services                                 | 51.1503       | M <u>2/</u>    | See Notes |
| 51.1504       | Community Health Services/Liaison/Counseling.                       | 10               | Human Services                                 | 51.1504       |                |           |
| 51.1505       | Marriage and Family Therapy/Counseling.                             | 10               | Human Services                                 | 51.1505       |                |           |
| 51.1506       | Clinical Pastoral Counseling/Patient Counseling.                    | 10               | Human Services                                 | 51.1506       | F <u>2/</u>    | See Notes |
| 51.1507       | Psychoanalysis and Psychotherapy.                                   | 8                | Health Science                                 | 51.1507       |                |           |
| 51.1508       | Mental Health Counseling/Counselor.                                 | 10               | Human Services                                 | 51.1508       |                |           |
| 51.1509       | Genetic Counseling/Counselor.                                       | 10               | Human Services                                 | 51.1509       |                |           |
| 51.1599       | Mental and Social Health Services and Allied Professions, Other.    | 10               | Human Services                                 | 51.1599       | <u>1/</u>      | See Notes |
| 51.1701       | Optometry.  | 8                | Health Science                                 | 51.1701       |                |           |
| 51.1801       | Opticianry/Ophthalmic Dispensing Optician.                          | 8                | Health Science                                 | 51.1801       |                |           |
| 51.1802       | Optometric Technician/Assistant.                                    | 8                | Health Science                                 | 51.1802       | M              |           |
| 51.1803       | Ophthalmic Technician/Technologist.                                 | 8                | Health Science                                 | 51.1803       | M              |           |
| 51.1804       | Orthoptics/Orthoptist.  | 8                | Health Science                                 | 51.1804       | M              |           |
| 51.1899       | Ophthalmic and Optometric Support Services and Allied Professions.  | 8                | Health Science                                 | 51.1899       | <u>1/</u>      | See Notes |
| 51.1901       | Osteopathic Medicine/Osteopathy.                                    | 8                | Health Science                                 | 51.1901       |                |           |
| 51.2001       | Pharmacy.   | 8                | Health Science                                 | 51.2001       |                |           |
| 51.2002       | Pharmacy Administration and Pharmacy Policy and Regulatory Affairs. | 8                | Health Science                                 | 51.2002       |                |           |
| 51.2003       | Pharmaceutics and Drug Design.                                      | 8                | Health Science                                 | 51.2003       |                |           |
| 51.2004       | Medicinal and Pharmaceutical Chemistry.                             | 8                | Health Science                                 | 51.2004       |                |           |
| 51.2005       | Natural Products Chemistry and Pharmacognosy.                       | 8                | Health Science                                 | 51.2005       |                |           |
| 51.2006       | Clinical and Industrial Drug Development.                           | 8                | Health Science                                 | 51.2006       |                |           |
| 51.2007       | Pharmacoeconomics/Pharmaceutical Economics.                         | 8                | Health Science                                 | 51.2007       |                |           |
| 51.2008       | Clinical, Hospital, and Managed Care Pharmacy.                      | 8                | Health Science                                 | 51.2008       |                |           |
| 51.2009       | Industrial and Physical Pharmacy and Cosmetic Sciences.             | 8                | Health Science                                 | 51.2009       |                |           |
| 51.2010       | Pharmaceutical Sciences.  | 8                | Health Science                                 | 51.2010       |                |           |
| 51.2011       | Pharmaceutical Marketing and Management.                            | 8                | Health Science                                 | 51.2011       |                |           |
| 51.2099       | Pharmacy, Pharmaceutical Sciences, and Administration, Other.       | 8                | Health Science                                 | 51.2099       |                |           |
| 51.2101       | Podiatric Medicine/Podiatry.  | 8                | Health Science                                 | 51.2101       |                |           |
| 51.2201       | Public Health, General.   | 8                | Health Science                                 | 51.2201       |                |           |
| 51.2202       | Environmental Health.   | 8                | Health Science                                 | 51.2202       | F <u>2/</u>    | See Notes |
| 51.2205       | Health/Medical Physics.   | 8                | Health Science                                 | 51.2205       | F              |           |
| 51.2206       | Occupational Health and Industrial Hygiene.                         | 8                | Health Science                                 | 51.2206       | M              |           |
| 51.2207       | Public Health Education and Promotion.                              | 5                | Education & Training                           | 51.2207       |                |           |
| 51.2208       | Community Health and Preventive Medicine.                           | 8                | Health Science                                 | 51.2208       |                |           |
| 51.2209       | Maternal and Child Health.  | 8                | Health Science                                 | 51.2209       |                |           |
| 51.2210       | International Public Health/International Health.                   | 8                | Health Science                                 | 51.2210       |                |           |
| 51.2211       | Health Services Administration.                                     | 8                | Health Science                                 | 51.2211       |                |           |
| 51.2212       | Behavioral Aspects of Health.                                       | 8                | Health Science                                 | 51.2212       |                |           |

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| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                 | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|---|---------------|----------------|-----------|
| 51.2299       | Public Health, Other.   | 8                | Health Science                                | 51.2299       | <u>1/</u>      | See Notes |
| 51.2301       | Art Therapy/Therapist.  | 8                | Health Science                                | 51.2301       |                |           |
| 51.2302       | Dance Therapy/Therapist.  | 8                | Health Science                                | 51.2302       |                |           |
| 51.2305       | Music Therapy/Therapist.  | 8                | Health Science                                | 51.2305       |                |           |
| 51.2306       | Occupational Therapy/Therapist.                                   | 8                | Health Science                                | 51.2306       |                |           |
| 51.2307       | Orthotist/Prosthetist.  | 8                | Health Science                                | 51.2307       |                |           |
| 51.2308       | Physical Therapy/Therapist.                                       | 8                | Health Science                                | 51.2308       |                |           |
| 51.2309       | Therapeutic Recreation/Recreational Therapy.                      | 8                | Health Science                                | 51.2309       | M              |           |
| 51.2310       | Vocational Rehabilitation Counseling/Counselor.                   | 10               | Human Services                                | 51.2310       |                |           |
| 51.2311       | Kinesiotherapy/Kinesiotherapist.                                  | 8                | Health Science                                | 51.2311       |                |           |
| 51.2312       | Assistive/Augmentative Technology and Rehabilitation Engineering. | 8                | Health Science                                | 51.2312       | F              |           |
| 51.2313       | Animal-Assisted Therapy.  | 8                | Health Science                                | 51.2313       |                |           |
| 51.2314       | Rehabilitation Science.   | 8                | Health Science                                | 51.2314       |                |           |
| 51.2399       | Rehabilitation and Therapeutic Professions, Other.                | 8                | Health Science                                | 51.2399       |                |           |
| 51.2401       | Veterinary Medicine.  | 8                | Health Science                                | 51.2401       |                |           |
| 51.2501       | Veterinary Sciences/Veterinary Clinical Sciences, General.        | 8                | Health Science                                | 51.2501       |                |           |
| 51.2502       | Veterinary Anatomy.   | 8                | Health Science                                | 51.2502       |                |           |
| 51.2503       | Veterinary Physiology.  | 8                | Health Science                                | 51.2503       |                |           |
| 51.2504       | Veterinary Microbiology and Immunobiology.                        | 8                | Health Science                                | 51.2504       |                |           |
| 51.2505       | Veterinary Pathology and Pathobiology.                            | 8                | Health Science                                | 51.2505       |                |           |
| 51.2506       | Veterinary Toxicology and Pharmacology.                           | 8                | Health Science                                | 51.2506       |                |           |
| 51.2507       | Large Animal/Food Animal and Equine Surgery and Medicine.         | 8                | Health Science                                | 51.2507       |                |           |
| 51.2508       | Small/Companion Animal Surgery and Medicine.                      | 8                | Health Science                                | 51.2508       |                |           |
| 51.2509       | Comparative and Laboratory Animal Medicine.                       | 8                | Health Science                                | 51.2509       |                |           |
| 51.2510       | Veterinary Preventive Medicine, Epidemiology, and Public Health.  | 8                | Health Science                                | 51.2510       |                |           |
| 51.2511       | Veterinary Infectious Diseases.                                   | 8                | Health Science                                | 51.2511       |                |           |
| 51.2599       | Veterinary Biomedical and Clinical Sciences, Other.               | 8                | Health Science                                | 51.2599       |                |           |
| 51.2601       | Health Aide.  | 8                | Health Science                                | 51.2601       | M              |           |
| 51.2602       | Home Health Aide/Home Attendant.                                  | 8                | Health Science                                | 51.2602       | M              |           |
| 51.2603       | Medication Aide.  | 8                | Health Science                                | 51.2603       | M              |           |
| 51.2604       | Rehabilitation Aide.  | 8                | Health Science                                | 51.2604       | M              |           |
| 51.2699       | Health Aides/Attendants/Orderlies, Other.                         | 8                | Health Science                                | 51.2699       | <u>1/</u>      | See Notes |
| 51.2703       | Medical Illustration/Medical Illustrator.                         | 3                | Arts, Audio/Video Technology & Communications | 51.2703       |                |           |
| 51.2706       | Medical Informatics.  | 8                | Health Science                                | 51.2706       | F              |           |
| 51.2799       | Medical Illustration and Informatics, Other.                      | 8                | Health Science                                | 51.2799       | <u>1/</u>      | See Notes |
| 51.3101       | Dietetics/Dietitian.  | 8                | Health Science                                | 51.3101       | M              |           |
| 51.3102       | Clinical Nutrition/Nutritionist.                                  | 8                | Health Science                                | 51.3102       | M              |           |
| 51.3103       | Dietetic Technician.  | 8                | Health Science                                | 51.3103       | M              |           |
| 51.3104       | Dietitian Assistant.  | 8                | Health Science                                | 51.3104       | M              |           |
| 51.3199       | Dietetics and Clinical Nutrition Services, Other.                 | 8                | Health Science                                | 51.3199       | M              |           |
| 51.3201       | Bioethics/Medical Ethics.   | 8                | Health Science                                | 51.3201       | <u>1/</u>      | See Notes |
| 51.3300       | Alternative and Complementary Medicine and Medical Systems, Ge    | 8                | Health Science                                | 51.3300       |                |           |
| 51.3301       | Acupuncture and Oriental Medicine.                                | 8                | Health Science                                | 51.3301       |                |           |
| 51.3302       | Traditional Chinese Medicine and Chinese Herbology.               | 8                | Health Science                                | 51.3302       |                |           |
| 51.3303       | Naturopathic Medicine/Naturopathy.                                | 8                | Health Science                                | 51.3303       |                |           |
| 51.3304       | Homeopathic Medicine/Homeopathy.                                  | 8                | Health Science                                | 51.3304       |                |           |
| 51.3305       | Ayurvedic Medicine/Ayurveda.                                      | 8                | Health Science                                | 51.3305       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010        | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--------------------------------------|---------------|----------------|-----------|
| 51.3306       | Holistic Health.  | 8                | Health Science                       | 51.3306       |                |           |
| 51.3399       | Alternative and Complementary Medicine and Medical Systems, Other.  | 8                | Health Science                       | 51.3399       |                |           |
| 51.3401       | Direct Entry Midwifery.   | 8                | Health Science                       | 51.3401       |                |           |
| 51.3499       | Alternative and Complementary Medical Support Services, Other.      | 8                | Health Science                       | 51.3499       | <u>1/</u>      | See Notes |
| 51.3501       | Massage Therapy/Therapeutic Massage.                                | 8                | Health Science                       | 51.3501       | M              |           |
| 51.3502       | Asian Bodywork Therapy.   | 8                | Health Science                       | 51.3502       | M              |           |
| 51.3503       | Somatic Bodywork.   | 8                | Health Science                       | 51.3503       | M              |           |
| 51.3599       | Somatic Bodywork and Related Therapeutic Services, Other.           | 8                | Health Science                       | 51.3599       | <u>1/</u>      | See Notes |
| 51.3601       | Movement Therapy and Movement Education.                            | 8                | Health Science                       | 51.3601       |                |           |
| 51.3602       | Yoga Teacher Training/Yoga Therapy.                                 | 8                | Health Science                       | 51.3602       | M <u>2/</u>    | See Notes |
| 51.3603       | Hypnotherapy/Hypnotherapist.  | 8                | Health Science                       | 51.3603       |                |           |
| 51.3699       | Movement and Mind-Body Therapies and Education, Other.              | 8                | Health Science                       | 51.3699       | <u>1/</u>      | See Notes |
| 51.3701       | Aromatherapy.   | 8                | Health Science                       | 51.3701       | M <u>2/</u>    | See Notes |
| 51.3702       | Herbalism/Herbalist.  | 8                | Health Science                       | 51.3702       | M <u>2/</u>    | See Notes |
| 51.3703       | Polarity Therapy.   | 8                | Health Science                       | 51.3703       | M <u>2/</u>    | See Notes |
| 51.3704       | Reiki.  | 8                | Health Science                       | 51.3704       | M <u>2/</u>    | See Notes |
| 51.3799       | Energy and Biologically Based Therapies, Other.                     | 8                | Health Science                       | 51.3799       | <u>1/</u>      | See Notes |
| 51.3801       | Registered Nursing/Registered Nurse.                                | 8                | Health Science                       | 51.3801       | M              |           |
| 51.3802       | Nursing Administration.   | 8                | Health Science                       | 51.3802       |                |           |
| 51.3803       | Adult Health Nurse/Nursing.   | 8                | Health Science                       | 51.3803       | M              |           |
| 51.3804       | Nurse Anesthetist.  | 8                | Health Science                       | 51.3804       |                |           |
| 51.3805       | Family Practice Nurse/Nursing.                                      | 8                | Health Science                       | 51.3805       | M              |           |
| 51.3806       | Maternal/Child Health and Neonatal Nurse/Nursing.                   | 8                | Health Science                       | 51.3806       | M              |           |
| 51.3807       | Nurse Midwife/Nursing Midwifery.                                    | 8                | Health Science                       | 51.3807       |                |           |
| 51.3808       | Nursing Science.  | 8                | Health Science                       | 51.3808       | M              |           |
| 51.3809       | Pediatric Nurse/Nursing.  | 8                | Health Science                       | 51.3809       | M              |           |
| 51.3810       | Psychiatric/Mental Health Nurse/Nursing.                            | 8                | Health Science                       | 51.3810       | M              |           |
| 51.3811       | Public Health/Community Nurse/Nursing.                              | 8                | Health Science                       | 51.3811       | M              |           |
| 51.3812       | Perioperative/Operating Room and Surgical Nurse/Nursing.            | 8                | Health Science                       | 51.3812       | M              |           |
| 51.3813       | Clinical Nurse Specialist.  | 8                | Health Science                       | 51.3813       | M              |           |
| 51.3814       | Critical Care Nursing.  | 8                | Health Science                       | 51.3814       | M              |           |
| 51.3815       | Occupational and Environmental Health Nursing.                      | 8                | Health Science                       | 51.3815       | M              |           |
| 51.3816       | Emergency Room/Trauma Nursing.                                      | 8                | Health Science                       | 51.3816       | M              |           |
| 51.3817       | Nursing Education.  | 8                | Health Science                       | 51.3817       |                |           |
| 51.3818       | Nursing Practice.   | 8                | Health Science                       | 51.3818       | M              |           |
| 51.3819       | Palliative Care Nursing.  | 8                | Health Science                       | 51.3819       | M              |           |
| 51.3820       | Clinical Nurse Leader.  | 8                | Health Science                       | 51.3820       | M              |           |
| 51.3821       | Geriatric Nurse/Nursing.  | 8                | Health Science                       | 51.3821       | M              |           |
| 51.3822       | Women's Health Nurse/Nursing.                                       | 8                | Health Science                       | 51.3822       | M              |           |
| 51.3899       | Registered Nursing, Nursing Administration, Nursing Research and    | 8                | Health Science                       | 51.3899       | M              |           |
| 51.3901       | Licensed Practical/Vocational Nurse Training.                       | 8                | Health Science                       | 51.3901       | M              |           |
| 51.3902       | Nursing Assistant/Aide and Patient Care Assistant/Aide.             | 8                | Health Science                       | 51.3902       | M              |           |
| 51.3999       | Practical Nursing, Vocational Nursing and Nursing Assistants, Other | 8                | Health Science                       | 51.3999       | M              |           |
| 51.9999       | Health Professions and Related Clinical Sciences, Other.            | 8                | Health Science                       | 51.9999       | <u>1/</u>      | See Notes |
| 52.0101       | Business/Commerce, General.   | 4                | Business Management & Administration | 52.0101       | F <u>2/</u>    | See Notes |
| 52.0201       | Business Administration and Management, General.                    | 4                | Business Management & Administration | 52.0201       | F <u>2/</u>    | See Notes |
| 52.0202       | Purchasing, Procurement/Acquisitions and Contracts Management.      | 4                | Business Management & Administration | 52.0202       | F <u>2/</u>    | See Notes |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|--|------------------|--|---------------|----------------|-----------|
| 52.0203       | Logistics, Materials, and Supply Chain Management.           | 16               | Transportation, Distribution & Logistics       | 52.0203       | F              |           |
| 52.0204       | Office Management and Supervision.                           | 4                | Business Management & Administration           | 52.0204       |                |           |
| 52.0205       | Operations Management and Supervision.                       | 4                | Business Management & Administration           | 52.0205       | F              |           |
| 52.0206       | Non-Profit/Public/Organizational Management.                 | 4                | Business Management & Administration           | 52.0206       |                |           |
| 52.0207       | Customer Service Management.                                 | 4                | Business Management & Administration           | 52.0207       |                |           |
| 52.0208       | E-Commerce/Electronic Commerce.                              | 4                | Business Management & Administration           | 52.0208       |                |           |
| 52.0209       | Transportation/Mobility Management.                          | 16               | Transportation, Distribution & Logistics       | 52.0209       | F              |           |
| 52.0210       | Research and Development Management.                         | 4                | Business Management & Administration           | 52.0210       |                |           |
| 52.0211       | Project Management.  | 4                | Business Management & Administration           | 52.0211       |                |           |
| 52.0212       | Retail Management.   | 4                | Business Management & Administration           | 52.0212       |                |           |
| 52.0213       | Organizational Leadership.                                   | 4                | Business Management & Administration           | 52.0213       |                |           |
| 52.0299       | Business Administration, Management and Operations, Other.   | 4                | Business Management & Administration           | 52.0299       | <u>1/</u>      | See Notes |
| 52.0301       | Accounting.  | 6                | Finance  | 52.0301       |                |           |
| 52.0302       | Accounting Technology/Technician and Bookkeeping.            | 6                | Finance  | 52.0302       | M              |           |
| 52.0303       | Auditing.  | 6                | Finance  | 52.0303       |                |           |
| 52.0304       | Accounting and Finance.                                      | 6                | Finance  | 52.0304       |                |           |
| 52.0305       | Accounting and Business/Management.                          | 6                | Finance  | 52.0305       |                |           |
| 52.0399       | Accounting and Related Services, Other.                      | 6                | Finance  | 52.0399       | <u>1/</u>      | See Notes |
| 52.0401       | Administrative Assistant and Secretarial Science, General.   | 4                | Business Management & Administration           | 52.0401       | M              |           |
| 52.0402       | Executive Assistant/Executive Secretary.                     | 4                | Business Management & Administration           | 52.0402       | M              |           |
| 52.0406       | Receptionist.  | 4                | Business Management & Administration           | 52.0406       | M              |           |
| 52.0407       | Business/Office Automation/Technology/Data Entry.            | 4                | Business Management & Administration           | 52.0407       | M              |           |
| 52.0408       | General Office Occupations and Clerical Services.            | 4                | Business Management & Administration           | 52.0408       | M              |           |
| 52.0409       | Parts, Warehousing, and Inventory Management Operations.     | 4                | Business Management & Administration           | 52.0409       |                |           |
| 52.0410       | Traffic, Customs, and Transportation Clerk/Technician.       | 16               | Transportation, Distribution & Logistics       | 52.0410       |                |           |
| 52.0411       | Customer Service Support/Call Center/Teleservice Operation.  | 4                | Business Management & Administration           | 52.0411       | M <u>2/</u>    | See Notes |
| 52.0499       | Business Operations Support and Secretarial Services, Other. | 4                | Business Management & Administration           | 52.0499       | <u>1/</u>      | See Notes |
| 52.0501       | Business/Corporate Communications.                           | 3                | Arts, Audio/Video Technology & Communications  | 52.0501       |                |           |
| 52.0601       | Business/Managerial Economics.                               | 15               | Science, Technology, Engineering & Mathematics | 52.0601       |                |           |
| 52.0701       | Entrepreneurship/Entrepreneurial Studies.                    | 4                | Business Management & Administration           | 52.0701       | F              |           |
| 52.0702       | Franchising and Franchise Operations.                        | 4                | Business Management & Administration           | 52.0702       |                |           |
| 52.0703       | Small Business Administration/Management.                    | 4                | Business Management & Administration           | 52.0703       |                |           |
| 52.0799       | Entrepreneurial and Small Business Operations, Other.        | 4                | Business Management & Administration           | 52.0799       | <u>1/</u>      | See Notes |
| 52.0801       | Finance, General.  | 6                | Finance  | 52.0801       |                |           |
| 52.0803       | Banking and Financial Support Services.                      | 6                | Finance  | 52.0803       | M              |           |
| 52.0804       | Financial Planning and Services.                             | 6                | Finance  | 52.0804       |                |           |
| 52.0806       | International Finance.                                       | 6                | Finance  | 52.0806       |                |           |
| 52.0807       | Investments and Securities.                                  | 6                | Finance  | 52.0807       |                |           |
| 52.0808       | Public Finance.  | 6                | Finance  | 52.0808       |                |           |
| 52.0809       | Credit Management.   | 6                | Finance  | 52.0809       |                |           |
| 52.0899       | Finance and Financial Management Services, Other.            | 6                | Finance  | 52.0899       |                |           |
| 52.0901       | Hospitality Administration/Management, General.              | 9                | Hospitality & Tourism                          | 52.0901       |                |           |
| 52.0903       | Tourism and Travel Services Management.                      | 9                | Hospitality & Tourism                          | 52.0903       |                |           |
| 52.0904       | Hotel/Motel Administration/Management.                       | 9                | Hospitality & Tourism                          | 52.0904       |                |           |
| 52.0905       | Restaurant/Food Services Management.                         | 9                | Hospitality & Tourism                          | 52.0905       |                |           |
| 52.0906       | Resort Management.   | 9                | Hospitality & Tourism                          | 52.0906       |                |           |
| 52.0907       | Meeting and Event Planning.                                  | 4                | Business Management & Administration           | 52.0907       |                |           |

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| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|---|------------------|--|---------------|----------------|-----------|
| 52.0908       | Casino Management.  | 4                | Business Management & Administration           | 52.0908       | F              |           |
| 52.0909       | Hotel, Motel, and Restaurant Management.                          | 4                | Business Management & Administration           | 52.0909       |                |           |
| 52.0999       | Hospitality Administration/Management, Other.                     | 9                | Hospitality & Tourism                          | 52.0999       |                |           |
| 52.1001       | Human Resources Management/Personnel Administration, General      | 4                | Business Management & Administration           | 52.1001       |                |           |
| 52.1002       | Labor and Industrial Relations.                                   | 4                | Business Management & Administration           | 52.1002       |                |           |
| 52.1003       | Organizational Behavior Studies.                                  | 4                | Business Management & Administration           | 52.1003       |                |           |
| 52.1004       | Labor Studies.  | 4                | Business Management & Administration           | 52.1004       |                |           |
| 52.1005       | Human Resources Development.                                      | 4                | Business Management & Administration           | 52.1005       |                |           |
| 52.1099       | Human Resources Management and Services, Other.                   | 4                | Business Management & Administration           | 52.1099       |                |           |
| 52.1101       | International Business/Trade/Commerce.                            | 4                | Business Management & Administration           | 52.1101       | F              |           |
| 52.1201       | Management Information Systems, General.                          | 4                | Business Management & Administration           | 52.1201       |                |           |
| 52.1206       | Information Resources Management.                                 | 11               | Information Technology                         | 52.1206       |                |           |
| 52.1207       | Knowledge Management.   | 11               | Information Technology                         | 52.1207       |                |           |
| 52.1299       | Management Information Systems and Services, Other.               | 11               | Information Technology                         | 52.1299       | <u>1/</u>      | See Notes |
| 52.1301       | Management Science.   | 4                | Business Management & Administration           | 52.1301       |                |           |
| 52.1302       | Business Statistics.  | 15               | Science, Technology, Engineering & Mathematics | 52.1302       |                |           |
| 52.1304       | Actuarial Science.  | 6                | Finance  | 52.1304       | F              |           |
| 52.1399       | Management Sciences and Quantitative Methods, Other.              | 4                | Business Management & Administration           | 52.1399       | <u>1/</u>      | See Notes |
| 52.1401       | Marketing/Marketing Management, General.                          | 14               | Marketing                                      | 52.1401       |                |           |
| 52.1402       | Marketing Research.   | 14               | Marketing                                      | 52.1402       |                |           |
| 52.1403       | International Marketing.  | 14               | Marketing                                      | 52.1403       |                |           |
| 52.1499       | Marketing, Other.   | 14               | Marketing                                      | 52.1499       |                |           |
| 52.1501       | Real Estate.  | 14               | Marketing                                      | 52.1501       |                |           |
| 52.1601       | Taxation.   | 6                | Finance  | 52.1601       |                |           |
| 52.1701       | Insurance.  | 6                | Finance  | 52.1701       |                |           |
| 52.1801       | Sales, Distribution, and Marketing Operations, General.           | 14               | Marketing                                      | 52.1801       |                |           |
| 52.1802       | Merchandising and Buying Operations.                              | 14               | Marketing                                      | 52.1802       |                |           |
| 52.1803       | Retailing and Retail Operations.                                  | 14               | Marketing                                      | 52.1803       |                |           |
| 52.1804       | Selling Skills and Sales Operations.                              | 14               | Marketing                                      | 52.1804       |                |           |
| 52.1899       | General Merchandising, Sales, and Related Marketing Operations, C | 14               | Marketing                                      | 52.1899       |                |           |
| 52.1901       | Auctioneering.  | 14               | Marketing                                      | 52.1901       |                |           |
| 52.1902       | Fashion Merchandising.  | 14               | Marketing                                      | 52.1902       |                |           |
| 52.1903       | Fashion Modeling.   | 14               | Marketing                                      | 52.1903       | M              |           |
| 52.1904       | Apparel and Accessories Marketing Operations.                     | 14               | Marketing                                      | 52.1904       |                |           |
| 52.1905       | Tourism and Travel Services Marketing Operations.                 | 9                | Hospitality & Tourism                          | 52.1905       | M <u>2/</u>    | See Notes |
| 52.1906       | Tourism Promotion Operations.                                     | 9                | Hospitality & Tourism                          | 52.1906       | <u>1/</u>      | See Notes |
| 52.1907       | Vehicle and Vehicle Parts and Accessories Marketing Operations.   | 14               | Marketing                                      | 52.1907       | F              |           |
| 52.1908       | Business and Personal/Financial Services Marketing Operations.    | 6                | Finance  | 52.1908       |                |           |
| 52.1909       | Special Products Marketing Operations.                            | 14               | Marketing                                      | 52.1909       |                |           |
| 52.1910       | Hospitality and Recreation Marketing Operations.                  | 9                | Hospitality & Tourism                          | 52.1910       |                |           |
| 52.1999       | Specialized Merchandising, Sales, and Marketing Operations, Other | 14               | Marketing                                      | 52.1999       | <u>1/</u>      | See Notes |
| 52.2001       | Construction Management.  | 2                | Architecture & Construction                    | 52.2001       | F              |           |
| 52.2101       | Telecommunications Management.                                    | 4                | Business Management & Administration           | 52.2101       |                |           |
| 52.9999       | Business, Management, Marketing, and Related Support Services, C  | 4                | Business Management & Administration           | 52.9999       | <u>1/</u>      | See Notes |
| 53.0101       | Regular/General High School/Secondary Diploma Program.            | 17               | NO CLUSTER*                                    | 53.0101       | <u>1/</u>      | See Notes |
| 53.0102       | College/University Preparatory and Advanced High School/Seconda   | 17               | NO CLUSTER*                                    | 53.0102       | <u>1/</u>      | See Notes |
| 53.0103       | Vocational High School and Secondary Business/Vocational-Industr  | 17               | NO CLUSTER*                                    | 53.0103       | <u>1/</u>      | See Notes |

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| CIP 6<br>2010 | CIPTitle_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010                  | CIP 6<br>2010 | Nontraditional | Notes     |
|---------------|--|------------------|--|---------------|----------------|-----------|
| 53.0104       | Honors/Regents High School/Secondary Diploma Program.              | 17               | NO CLUSTER*                                    | 53.0104       | <u>1/</u>      | See Notes |
| 53.0105       | Adult High School/Secondary Diploma Program.                       | 17               | NO CLUSTER*                                    | 53.0105       | <u>1/</u>      | See Notes |
| 53.0199       | High School/Secondary Diploma Programs, Other.                     | 17               | NO CLUSTER*                                    | 53.0199       | <u>1/</u>      | See Notes |
| 53.0201       | High School Equivalence Certificate Program.                       | 17               | NO CLUSTER*                                    | 53.0201       | <u>1/</u>      | See Notes |
| 53.0202       | High School Certificate of Competence Program.                     | 17               | NO CLUSTER*                                    | 53.0202       | <u>1/</u>      | See Notes |
| 53.0203       | Certificate of IEP Completion Program.                             | 17               | NO CLUSTER*                                    | 53.0203       | <u>1/</u>      | See Notes |
| 53.0299       | High School/Secondary Certificates, Other.                         | 17               | NO CLUSTER*                                    | 53.0299       | <u>1/</u>      | See Notes |
| 54.0101       | History, General.  | 15               | Science, Technology, Engineering & Mathematics | 54.0101       |                |           |
| 54.0102       | American History (United States).                                  | 15               | Science, Technology, Engineering & Mathematics | 54.0102       |                |           |
| 54.0103       | European History.  | 15               | Science, Technology, Engineering & Mathematics | 54.0103       |                |           |
| 54.0104       | History and Philosophy of Science and Technology.                  | 15               | Science, Technology, Engineering & Mathematics | 54.0104       |                |           |
| 54.0105       | Public/Applied History.  | 15               | Science, Technology, Engineering & Mathematics | 54.0105       |                |           |
| 54.0106       | Asian History.   | 15               | Science, Technology, Engineering & Mathematics | 54.0106       |                |           |
| 54.0107       | Canadian History.  | 15               | Science, Technology, Engineering & Mathematics | 54.0107       |                |           |
| 54.0108       | Military History.  | 15               | Science, Technology, Engineering & Mathematics | 54.0108       |                |           |
| 54.0199       | History, Other.  | 15               | Science, Technology, Engineering & Mathematics | 54.0199       |                |           |
| 60.0101       | Oral and Maxillofacial Surgery Residency Program.                  | 8                | Health Science                                 | 60.0101       | F              |           |
| 60.0102       | Dental Public Health Residency Program.                            | 8                | Health Science                                 | 60.0102       | F              |           |
| 60.0103       | Endodontics Residency Program.                                     | 8                | Health Science                                 | 60.0103       | F              |           |
| 60.0104       | Oral and Maxillofacial Pathology Residency Program.                | 8                | Health Science                                 | 60.0104       | F              |           |
| 60.0105       | Orthodontics Residency Program.                                    | 8                | Health Science                                 | 60.0105       | F              |           |
| 60.0106       | Pediatric Dentistry Residency Program.                             | 8                | Health Science                                 | 60.0106       | F              |           |
| 60.0107       | Periodontology Residency Program.                                  | 8                | Health Science                                 | 60.0107       | F              |           |
| 60.0108       | Prosthodontics Residency Program.                                  | 8                | Health Science                                 | 60.0108       | F              |           |
| 60.0109       | Oral and Maxillofacial Radiology Residency Program.                | 8                | Health Science                                 | 60.0109       | F              |           |
| 60.0199       | Dental Residency Program, Other.                                   | 8                | Health Science                                 | 60.0199       |                |           |
| 60.0301       | Veterinary Anesthesiology Residency Program.                       | 8                | Health Science                                 | 60.0301       |                |           |
| 60.0302       | Veterinary Dentistry Residency Program.                            | 8                | Health Science                                 | 60.0302       |                |           |
| 60.0303       | Veterinary Dermatology Residency Program.                          | 8                | Health Science                                 | 60.0303       |                |           |
| 60.0304       | Veterinary Emergency and Critical Care Medicine Residency Program. | 8                | Health Science                                 | 60.0304       |                |           |
| 60.0305       | Veterinary Internal Medicine Residency Program.                    | 8                | Health Science                                 | 60.0305       |                |           |
| 60.0306       | Laboratory Animal Medicine Residency Program.                      | 8                | Health Science                                 | 60.0306       |                |           |
| 60.0307       | Veterinary Microbiology Residency Program.                         | 8                | Health Science                                 | 60.0307       |                |           |
| 60.0308       | Veterinary Nutrition Residency Program.                            | 8                | Health Science                                 | 60.0308       |                |           |
| 60.0309       | Veterinary Ophthalmology Residency Program.                        | 8                | Health Science                                 | 60.0309       |                |           |
| 60.0310       | Veterinary Pathology Residency Program.                            | 8                | Health Science                                 | 60.0310       |                |           |
| 60.0311       | Veterinary Practice Residency Program.                             | 8                | Health Science                                 | 60.0311       |                |           |
| 60.0312       | Veterinary Preventive Medicine Residency Program.                  | 8                | Health Science                                 | 60.0312       |                |           |
| 60.0313       | Veterinary Radiology Residency Program.                            | 8                | Health Science                                 | 60.0313       |                |           |
| 60.0314       | Veterinary Surgery Residency Program.                              | 8                | Health Science                                 | 60.0314       |                |           |
| 60.0315       | Theriogenology Residency Program.                                  | 8                | Health Science                                 | 60.0315       |                |           |
| 60.0316       | Veterinary Toxicology Residency Program.                           | 8                | Health Science                                 | 60.0316       |                |           |
| 60.0317       | Zoological Medicine Residency Program.                             | 8                | Health Science                                 | 60.0317       |                |           |
| 60.0318       | Poultry Veterinarian Residency Program.                            | 8                | Health Science                                 | 60.0318       |                |           |
| 60.0319       | Veterinary Behaviorist Residency Program.                          | 8                | Health Science                                 | 60.0319       |                |           |
| 60.0320       | Veterinary Clinical Pharmacology Residency Program.                | 8                | Health Science                                 | 60.0320       |                |           |
| 60.0399       | Veterinary Residency Programs, Other.                              | 8                | Health Science                                 | 60.0399       |                |           |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010 | CIP 6<br>2010 | Nontraditional | Notes |
|---------------|---|------------------|-------------------------------|---------------|----------------|-------|
| 60.0401       | Aerospace Medicine Residency Program.                           | 8                | Health Science                | 60.0401       |                |       |
| 60.0402       | Allergy and Immunology Residency Program.                       | 8                | Health Science                | 60.0402       |                |       |
| 60.0403       | Anesthesiology Residency Program.                               | 8                | Health Science                | 60.0403       |                |       |
| 60.0404       | Child Neurology Residency Program.                              | 8                | Health Science                | 60.0404       |                |       |
| 60.0405       | Clinical Biochemical Genetics Residency Program.                | 8                | Health Science                | 60.0405       |                |       |
| 60.0406       | Clinical Cytogenetics Residency Program.                        | 8                | Health Science                | 60.0406       |                |       |
| 60.0407       | Clinical Genetics Residency Program.                            | 8                | Health Science                | 60.0407       |                |       |
| 60.0408       | Clinical Molecular Genetics Residency Program.                  | 8                | Health Science                | 60.0408       |                |       |
| 60.0409       | Colon and Rectal Surgery Residency Program.                     | 8                | Health Science                | 60.0409       |                |       |
| 60.0410       | Dermatology Residency Program.                                  | 8                | Health Science                | 60.0410       |                |       |
| 60.0411       | Diagnostic Radiology Residency Program.                         | 8                | Health Science                | 60.0411       |                |       |
| 60.0412       | Emergency Medicine Residency Program.                           | 8                | Health Science                | 60.0412       |                |       |
| 60.0413       | Family Medicine Residency Program.                              | 8                | Health Science                | 60.0413       |                |       |
| 60.0414       | General Surgery Residency Program.                              | 8                | Health Science                | 60.0414       |                |       |
| 60.0415       | Internal Medicine Residency Program.                            | 8                | Health Science                | 60.0415       |                |       |
| 60.0416       | Neurological Surgery Residency Program.                         | 8                | Health Science                | 60.0416       |                |       |
| 60.0417       | Neurology Residency Program.                                    | 8                | Health Science                | 60.0417       |                |       |
| 60.0418       | Nuclear Medicine Residency Program.                             | 8                | Health Science                | 60.0418       |                |       |
| 60.0419       | Obstetrics and Gynecology Residency Program.                    | 8                | Health Science                | 60.0419       |                |       |
| 60.0420       | Occupational Medicine Residency Program.                        | 8                | Health Science                | 60.0420       |                |       |
| 60.0421       | Ophthalmology Residency Program.                                | 8                | Health Science                | 60.0421       |                |       |
| 60.0422       | Orthopedic Surgery Residency Program.                           | 8                | Health Science                | 60.0422       |                |       |
| 60.0423       | Otolaryngology Residency Program.                               | 8                | Health Science                | 60.0423       |                |       |
| 60.0424       | Pathology Residency Program.                                    | 8                | Health Science                | 60.0424       |                |       |
| 60.0425       | Pediatrics Residency Program.                                   | 8                | Health Science                | 60.0425       |                |       |
| 60.0426       | Physical Medicine and Rehabilitation Residency Program.         | 8                | Health Science                | 60.0426       |                |       |
| 60.0427       | Plastic Surgery Residency Program.                              | 8                | Health Science                | 60.0427       |                |       |
| 60.0428       | Psychiatry Residency Program.                                   | 8                | Health Science                | 60.0428       |                |       |
| 60.0429       | Public Health and General Preventive Medicine Residency Program | 8                | Health Science                | 60.0429       |                |       |
| 60.0430       | Radiation Oncology Residency Program.                           | 8                | Health Science                | 60.0430       |                |       |
| 60.0431       | Radiologic Physics Residency Program.                           | 8                | Health Science                | 60.0431       |                |       |
| 60.0432       | Thoracic Surgery Residency Program.                             | 8                | Health Science                | 60.0432       |                |       |
| 60.0433       | Urology Residency Program.                                      | 8                | Health Science                | 60.0433       |                |       |
| 60.0434       | Vascular Surgery Residency Program.                             | 8                | Health Science                | 60.0434       |                |       |
| 60.0499       | Medical Residency Programs - General Certificates, Other.       | 8                | Health Science                | 60.0499       |                |       |
| 60.0501       | Addiction Psychiatry Residency Program.                         | 8                | Health Science                | 60.0501       |                |       |
| 60.0502       | Adolescent Medicine Residency Program.                          | 8                | Health Science                | 60.0502       |                |       |
| 60.0503       | Blood Banking/Transfusion Medicine Residency Program.           | 8                | Health Science                | 60.0503       |                |       |
| 60.0504       | Cardiovascular Disease Residency Program.                       | 8                | Health Science                | 60.0504       |                |       |
| 60.0505       | Chemical Pathology Residency Program.                           | 8                | Health Science                | 60.0505       |                |       |
| 60.0506       | Child Abuse Pediatrics Residency Program.                       | 8                | Health Science                | 60.0506       |                |       |
| 60.0507       | Child and Adolescent Psychiatry Residency Program.              | 8                | Health Science                | 60.0507       |                |       |
| 60.0508       | Clinical Cardiac Electrophysiology Residency Program.           | 8                | Health Science                | 60.0508       |                |       |
| 60.0509       | Clinical Neurophysiology Residency Program.                     | 8                | Health Science                | 60.0509       |                |       |
| 60.0510       | Congenital Cardiac Surgery Residency Program.                   | 8                | Health Science                | 60.0510       |                |       |
| 60.0511       | Critical Care Medicine Residency Program.                       | 8                | Health Science                | 60.0511       |                |       |
| 60.0512       | Cytopathology Residency Program.                                | 8                | Health Science                | 60.0512       |                |       |

**Perkins IV Crosswalk Table 3, Non Trad CIP\_Career Cluster (Revised December 2012)**

| CIP 6<br>2010 | CIP Title_2010  | Rec Clust<br>No. | Recommended Cluster Name_2010 | CIP 6<br>2010 | Nontraditional | Notes |
|---------------|---|------------------|-------------------------------|---------------|----------------|-------|
| 60.0513       | Dermatopathology Residency Program.                       | 8                | Health Science                | 60.0513       |                |       |
| 60.0514       | Developmental-Behavioral Pediatrics Residency Program.    | 8                | Health Science                | 60.0514       |                |       |
| 60.0515       | Diagnostic Radiologic Physics Residency Program.          | 8                | Health Science                | 60.0515       |                |       |
| 60.0516       | Endocrinology, Diabetes and Metabolism Residency Program. | 8                | Health Science                | 60.0516       |                |       |
| 60.0517       | Forensic Pathology Residency Program.                     | 8                | Health Science                | 60.0517       |                |       |
| 60.0518       | Forensic Psychiatry Residency Program.                    | 8                | Health Science                | 60.0518       |                |       |
| 60.0519       | Gastroenterology Residency Program.                       | 8                | Health Science                | 60.0519       |                |       |
| 60.0520       | Geriatric Medicine Residency Program.                     | 8                | Health Science                | 60.0520       |                |       |
| 60.0521       | Geriatric Psychiatry Residency Program.                   | 8                | Health Science                | 60.0521       |                |       |
| 60.0522       | Gynecologic Oncology Residency Program.                   | 8                | Health Science                | 60.0522       |                |       |
| 60.0523       | Hematological Pathology Residency Program.                | 8                | Health Science                | 60.0523       |                |       |
| 60.0524       | Hematology Residency Program.                             | 8                | Health Science                | 60.0524       |                |       |
| 60.0525       | Hospice and Palliative Medicine Residency Program.        | 8                | Health Science                | 60.0525       |                |       |
| 60.0526       | Immunopathology Residency Program.                        | 8                | Health Science                | 60.0526       |                |       |
| 60.0527       | Infectious Disease Residency Program.                     | 8                | Health Science                | 60.0527       |                |       |
| 60.0528       | Interventional Cardiology Residency Program.              | 8                | Health Science                | 60.0528       |                |       |
| 60.0529       | Laboratory Medicine Residency Program.                    | 8                | Health Science                | 60.0529       |                |       |
| 60.0530       | Maternal and Fetal Medicine Residency Program.            | 8                | Health Science                | 60.0530       |                |       |
| 60.0531       | Medical Biochemical Genetics Residency Program.           | 8                | Health Science                | 60.0531       |                |       |
| 60.0532       | Medical Microbiology Residency Program.                   | 8                | Health Science                | 60.0532       |                |       |
| 60.0533       | Medical Nuclear Physics Residency Program.                | 8                | Health Science                | 60.0533       |                |       |
| 60.0534       | Medical Oncology Residency Program.                       | 8                | Health Science                | 60.0534       |                |       |
| 60.0535       | Medical Toxicology Residency Program.                     | 8                | Health Science                | 60.0535       |                |       |
| 60.0536       | Molecular Genetic Pathology Residency Program.            | 8                | Health Science                | 60.0536       |                |       |
| 60.0537       | Musculoskeletal Oncology Residency Program.               | 8                | Health Science                | 60.0537       |                |       |
| 60.0538       | Neonatal-Perinatal Medicine Residency Program.            | 8                | Health Science                | 60.0538       |                |       |
| 60.0539       | Nephrology Residency Program.                             | 8                | Health Science                | 60.0539       |                |       |
| 60.0540       | Neurodevelopmental Disabilities Residency Program.        | 8                | Health Science                | 60.0540       |                |       |
| 60.0541       | Neuromuscular Medicine Residency Program.                 | 8                | Health Science                | 60.0541       |                |       |
| 60.0542       | Neuropathology Residency Program.                         | 8                | Health Science                | 60.0542       |                |       |
| 60.0543       | Neuroradiology Residency Program.                         | 8                | Health Science                | 60.0543       |                |       |
| 60.0544       | Neurotology Residency Program.                            | 8                | Health Science                | 60.0544       |                |       |
| 60.0545       | Nuclear Radiology Residency Program.                      | 8                | Health Science                | 60.0545       |                |       |
| 60.0546       | Orthopedic Sports Medicine Residency Program.             | 8                | Health Science                | 60.0546       |                |       |
| 60.0547       | Orthopedic Surgery of the Spine Residency Program.        | 8                | Health Science                | 60.0547       |                |       |
| 60.0548       | Pain Medicine Residency Program.                          | 8                | Health Science                | 60.0548       |                |       |
| 60.0549       | Pediatric Cardiology Residency Program.                   | 8                | Health Science                | 60.0549       |                |       |
| 60.0550       | Pediatric Critical Care Medicine Residency Program.       | 8                | Health Science                | 60.0550       |                |       |
| 60.0551       | Pediatric Dermatology Residency Program.                  | 8                | Health Science                | 60.0551       |                |       |
| 60.0552       | Pediatric Emergency Medicine Residency Program.           | 8                | Health Science                | 60.0552       |                |       |
| 60.0553       | Pediatric Endocrinology Residency Program.                | 8                | Health Science                | 60.0553       |                |       |
| 60.0554       | Pediatric Gastroenterology Residency Program.             | 8                | Health Science                | 60.0554       |                |       |
| 60.0555       | Pediatric Hematology-Oncology Residency Program.          | 8                | Health Science                | 60.0555       |                |       |
| 60.0556       | Pediatric Infectious Diseases Residency Program.          | 8                | Health Science                | 60.0556       |                |       |
| 60.0557       | Pediatric Nephrology Residency Program.                   | 8                | Health Science                | 60.0557       |                |       |
| 60.0558       | Pediatric Orthopedics Residency Program.                  | 8                | Health Science                | 60.0558       |                |       |
| 60.0559       | Pediatric Otolaryngology Residency Program.               | 8                | Health Science                | 60.0559       |                |       |

| Perkins IV Crosswalk Table 3, Non Trad CIP_Career Cluster (Revised December 2012)   |   |                  |                               |               |                |       |
|---|---|------------------|-------------------------------|---------------|----------------|-------|
| CIP 6<br>2010   | CIPTitle_2010   | Rec Clust<br>No. | Recommended Cluster Name_2010 | CIP 6<br>2010 | Nontraditional | Notes |
| 60.0560   | Pediatric Pathology Residency Program.                            | 8                | Health Science                | 60.0560       |                |       |
| 60.0561   | Pediatric Pulmonology Residency Program.                          | 8                | Health Science                | 60.0561       |                |       |
| 60.0562   | Pediatric Radiology Residency Program.                            | 8                | Health Science                | 60.0562       |                |       |
| 60.0563   | Pediatric Rehabilitation Medicine Residency Program.              | 8                | Health Science                | 60.0563       |                |       |
| 60.0564   | Pediatric Rheumatology Residency Program.                         | 8                | Health Science                | 60.0564       |                |       |
| 60.0565   | Pediatric Surgery Residency Program.                              | 8                | Health Science                | 60.0565       |                |       |
| 60.0566   | Pediatric Transplant Hepatology Residency Program.                | 8                | Health Science                | 60.0566       |                |       |
| 60.0567   | Pediatric Urology Residency Program.                              | 8                | Health Science                | 60.0567       |                |       |
| 60.0568   | Physical Medicine and Rehabilitation/Psychiatry Residency Program | 8                | Health Science                | 60.0568       |                |       |
| 60.0569   | Plastic Surgery Within the Head and Neck Residency Program.       | 8                | Health Science                | 60.0569       |                |       |
| 60.0570   | Psychosomatic Medicine Residency Program.                         | 8                | Health Science                | 60.0570       |                |       |
| 60.0571   | Pulmonary Disease Residency Program.                              | 8                | Health Science                | 60.0571       |                |       |
| 60.0572   | Radioisotopic Pathology Residency Program.                        | 8                | Health Science                | 60.0572       |                |       |
| 60.0573   | Reproductive Endocrinology/Infertility Residency Program.         | 8                | Health Science                | 60.0573       |                |       |
| 60.0574   | Rheumatology Residency Program.                                   | 8                | Health Science                | 60.0574       |                |       |
| 60.0575   | Sleep Medicine Residency Program.                                 | 8                | Health Science                | 60.0575       |                |       |
| 60.0576   | Spinal Cord Injury Medicine Residency Program.                    | 8                | Health Science                | 60.0576       |                |       |
| 60.0577   | Sports Medicine Residency Program.                                | 8                | Health Science                | 60.0577       |                |       |
| 60.0578   | Surgery of the Hand Residency Program.                            | 8                | Health Science                | 60.0578       |                |       |
| 60.0579   | Surgical Critical Care Residency Program.                         | 8                | Health Science                | 60.0579       |                |       |
| 60.0580   | Therapeutic Radiologic Physics Residency Program.                 | 8                | Health Science                | 60.0580       |                |       |
| 60.0581   | Transplant Hepatology Residency Program.                          | 8                | Health Science                | 60.0581       |                |       |
| 60.0582   | Undersea and Hyperbaric Medicine Residency Program.               | 8                | Health Science                | 60.0582       |                |       |
| 60.0583   | Vascular and Interventional Radiology Residency Program.          | 8                | Health Science                | 60.0583       |                |       |
| 60.0584   | Vascular Neurology Residency Program.                             | 8                | Health Science                | 60.0584       |                |       |
| 60.0599   | Medical Residency Programs - Subspecialty Certificates, Other.    | 8                | Health Science                | 60.0599       |                |       |
| 60.0601   | Podiatric Medicine and Surgery - 24 Residency Program.            | 8                | Health Science                | 60.0601       |                |       |
| 60.0602   | Podiatric Medicine and Surgery - 36 Residency Program.            | 8                | Health Science                | 60.0602       |                |       |
| Source: The nontraditional codes were determined by the National Alliance for Partnerships in Equity (NAPE; www.napequity.org)  |   |                  |                               |               |                |       |
| Please see the NAPE methodology document for additional details, or contact NAPE if you have questions regarding the non trad designation.  |   |                  |                               |               |                |       |
| NOTES: A nontraditional occupation is one that employs less than 25.0% of males (M) or females (F). To calculate the percentage of male or female employment, NAPE used the same 2006 employment data from the Bureau of Labor Statistics that it used to develop its original nontraditional crosswalk in 2007. If more recent data (2011) were used, some occupations would move in or out of the nontraditional category. This would affect the calculations of performance indicators and, in turn, the ability to track performance through the duration of the current authorization of Perkins IV. |   |                  |                               |               |                |       |
| 1/ The NCES CIP-SOC Crosswalk has NO MATCH between this CIP and a related occupation. Consequently, there are no employment data to calculate whether or not the occupation is nontraditional.  |   |                  |                               |               |                |       |
| 2/ When there is a 2/ following the M or F, it means that there is a change in the status due to either the new CIP-SOC Crosswalk or because of corrections to NAPE's 2007 crosswalk. <b>Please be aware that states who adopt these new designations may see significant changes in their calculated measures due to the resulting changes to the dataset used to calculate the measures, rather than actual changes in performance itself.</b> Please see the NAPE methodology report for additional details.   |   |                  |                               |               |                |       |
| NO CLUSTER--These CIP codes are used for programs that provide basic skills, citizenship, leisure and recreation, and self-improvement. They are generally not offered for postsecondary academic credit and have not been included in revised Table 7.   |   |                  |                               |               |                |       |

| Perkins IV Crosswalk Table 3, Non Trad CIP_Career Cluster (Revised December 2012) |               |                  |                               |               |                |       |
|---|---------------|------------------|-------------------------------|---------------|----------------|-------|
| CIP 6<br>2010   | CIPTitle_2010 | Rec Clust<br>No. | Recommended Cluster Name_2010 | CIP 6<br>2010 | Nontraditional | Notes |