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1	QTOP	QTOP Title	Minimum Qualifications	State MQ Title	Master's (Y/N)	Title 5	License	Sub Code	Subject Left	Abbrev Title	Subject Title
2	0101.00	Agricultural Production	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Agricultural Production	N			021		AGRI	AGRICULTURE
3	0101.00	Agricultural Production	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Agricultural Production	N			758		PLNT SC	PLANT SCIENCE
4	0102.00	Animal Science	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Agricultural Production	N			056		ANML SC	ANIMAL SCIENCE
5	0102.40	Equine Science	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Equine Science	N			413		EQUINE	EQUINE SCIENCE
6	0109.20	Ornamental Horticulture	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Ornamental Horticulture	N			703		ORNHORT	ORNAMENTAL HORTICULTURE
7	0115.10	Recreation Administration	Master's in recreation administration or physical education OR Bachelor's in either of the above AND Master's in dance, gerontology, or public administration.	Recreation Administration	Y			859		RECR	RECREATION
8	0201.00	Architecture	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Architecture	N			077		INT	ARCHITECTURAL INTERIOR
9	0201.00	Architecture	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Architecture	N			069		ARCTECH	ARCHITECTURAL TECHNOLOGY
10	0201.00	Architecture	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Architecture	N			073		ARCH	ARCHITECTURE
11	0201.00	Architecture	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Architecture	N			414		ENV	ENVIRONMENTAL DESIGN
12	0201.00	Architecture	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Architecture	N			078		LAN	LANDSCAPE ARCHITECTURE
13	0301.00	Environmental Science	A Master's degree in Environmental Science; or a Master's degree in one of the following constituent disciplines: Biological Sciences, Chemistry, Ecology, Environmental Engineering, Geography, Geological Sciences, Physics, Soil Science including (or plus) four or more courses in an additional two or more of the above constituent disciplines. (DAS 12/11/03)	Interdisciplinary Studies	Y			411		ENV SCI	ENVIRONMENTAL SCIENCE
14	0303.00	Environmental Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Environmental Technology	N			410		ENVHZMT	ENVIRONMENTAL HAZARDOUS MATERIALS TECH
15	0401.00	Biological Sciences	Master's in any biological science OR Bachelor's in any biological science AND Master's in biochemistry, biophysics, or marine science OR The equivalent	Biological Sciences	Y			054		ANATOMY	ANATOMY
16	0401.00	Biological Sciences	Master's in any biological science OR Bachelor's in any biological science AND Master's in biochemistry, biophysics, or marine science OR The equivalent	Biological Sciences	Y			133		BIOLOGY	BIOLOGY
17	0401.00	Biological Sciences	Master's in any biological science OR Bachelor's in any biological science AND Master's in biochemistry, biophysics, or marine science OR The equivalent	Biological Sciences	Y			137		BOTANY	BOTANY
18	0401.00	Biological Sciences	Master's in any biological science OR Bachelor's in any biological science AND Master's in biochemistry, biophysics, or marine science.	Biological Sciences	Y			631		MICRO	MICROBIOLOGY
19	0401.00	Biological Sciences	Master's in any biological science OR Bachelor's in any biological science AND Master's in biochemistry, biophysics, or marine science.	Biological Sciences	Y			753		PHYSIOL	PHYSIOLOGY
20	0401.00	Biological Sciences	Master's in any biological science OR Bachelor's in any biological science AND Master's in biochemistry, biophysics, or marine science.	Biological Sciences	Y			973		ZOOLOGY	ZOOLOGY
21	0502.00	Accounting	Master's in accountancy or business administration with accounting concentration OR Bachelor's in business with accounting emphasis or business administration with accounting emphasis or economics with an accounting emphasis AND Master's in business, business administration, business education, taxation, or finance OR NOTE: A Bachelor's degree with a CPA license is an alternative qualification for this discipline, pursuant to Title 5 Section 53410.1.)	Accounting	Y	53410.1		004		ACCTG	ACCOUNTING
22	0504.00	Banking and Finance	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Banking and Finance	N			426		FINANCE	FINANCE
23	0504.00	Banking and Finance	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Banking and Finance	N			641		MORTFIN	MORTGAGE FINANCE
24	0505.00	Business	Master's in business, business management, business administration, accountancy, finance, marketing, or business education OR Bachelor's in any of the above AND Master's in economics, personnel management, public administration, or JD or LL.B. degree OR Bachelor's in economics with a business emphasis AND Master's in personnel management, public administration, or JD or LL.B. degree	Business	Y			156		BUS	BUSINESS
25	0505.00	Business	Master's in business, business management, business administration, accountancy, finance, marketing, or business education OR Bachelor's in any of the above AND Master's in economics, personnel management, public administration, or JD or LL.B. degree OR Bachelor's in economics with a business emphasis AND Master's in personnel management, public administration, or JD or LL.B. degree	Business	Y			445		INTBUS	INTERNATIONAL BUSINESS

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1	0505.00	Business	Master's in business, business management, business administration, accountancy, finance, marketing, or business education OR Bachelor's in any of the above AND Master's in economics, personnel management, public administration, or JD or LL.B. degree OR Bachelor's in economics with a business emphasis AND Master's in personnel management, public administration, or JD or LL.B. degree	Business	Y			582		MGMT	MANAGEMENT
26	0505.00	Business	Master's in business, business management, business administration, accountancy, finance, marketing, or business education OR Bachelor's in any of the above AND Master's in economics, personnel management, public administration, or JD or LL.B. degree OR Bachelor's in economics with a business emphasis AND Master's in personnel management, public administration, or JD or LL.B. degree	Business	Y			588		MARKET	MARKETING
27	0506.30	Management Development and Supervision	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Industrial Relations	N			912		SUPV	SUPERVISION
28	0506.40	Small Business and Entrepreneurship	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Small Business Development	N			157		ENTREP	ENTREPRENEURSHIP
29	0510.00	Transportation	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Transportation	N			947		TRANS	TRANSPORTATION
30	0511.00	Real Estate	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Real Estate	N			415		ESCROW	ESCROW
31	0511.00	Real Estate	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Real Estate	N			855		REAL ES	REAL ESTATE
32	0514.00	Office Technologies	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Office Technologies	N			212		CO OFTK	COMPUTER AND OFFICE TECHNOLOGIES
33	0514.00	Office Technologies	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Office Technologies	N			687		CAOT	COMPUTER APPLICATIONS OFFICE TECHNOLOGY
34	0514.00	Office Technologies	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Office Technologies	N			688		OFF MCH	OFFICE MACHINES
35	0516.00	Labor Relations	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Labor Relations	N			552		LABR ST	LABOR STUDIES
36	0602.00	Journalism	Master's in journalism or communication with a specialization in journalism OR Bachelor's in either of the above AND Master's in English history, communication, literature, composition, comparative literature, any social science, business, business administration, marketing, graphics, or photography	Journalism	Y			548		JOURNAL	JOURNALISM
37	0603.00	Broadcasting Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Broadcasting Technology	N			145		BRDCSTG	BROADCASTING
38	0606.00	Public Relations	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Public Relations	N			829		PUB REL	PUBLIC RELATIONS
39	0612.00	Film Studies	Master's degree in film, drama/theater arts, or mass communication OR Bachelor's degree in any of the above and Master's degree in media studies, English, or communication.	Film Studies	Y			194		CINEMA	CINEMA
40	0612.01	Film Production	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.		N			423		FILM PROD	FILM PRODUCTION
41	0614.10	Multimedia	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Multimedia	N			644		MULTIMD	MULTIMEDIA
42	0614.40	Animation	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Multimedia	N			079		ANIMATN	ANIMATION
43	0614.50	Digital Media T	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Multimedia	N			607		DIGLMD	DIGITAL MEDIA - TRADE TECH
44	0699.00	Media Production	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Media Production	N			606		MEDIART	MEDIA ARTS
45	0702.00	Computer Information Systems	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Computer Information Systems	N			207		CO INFO	COMPUTER INFORMATION SYSTEMS
46	0702.00	Computer Information Systems	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Computer Information Systems	N			213		CO SCI	COMPUTER SCIENCE INFORMATION TECHNOLOGY
47	0708.00	Computer Service Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Computer Service Technology	N			217		CO TECH	COMPUTER TECHNOLOGY
48	0801.00	Education	Master's in education	Education	Y			297		EDUC	EDUCATION
49	0809.00	Special Education	Courses are designed for students with disabilities. Instructors must meet requirements of Title 5, section 53414 -- the minimum requirements for a community college faculty member to provide credit specialized instruction for students with disabilities shall be satisfied by meeting the following requirements: 1) Possession of a master's degree, or equivalent foreign degree, in the category of disability, special education, education, psychology, educational psychology, or rehabilitation counseling; and 2) Fifteen semester units of upper division or graduate study in the area of disability, to include, but not be limited to: A) Learning disabilities, B) Developmental disabilities C) Deaf and hearing impaired, D) Physical disabilities; or E) Adapted computer technology. -- Title 5, 53414	Title 5	Y	53414		301		SPEC ED	EDUCATION-SPECIAL
50											

	D	E	F	G	H	I	J	K	L	M	N
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51	0835.00	Physical Education	Master's in physical education, or education with an emphasis in physical education, kinesiology, physiology of exercise, or adaptive physical education OR Bachelor's in any of the above AND Master's in any life science, dance, physiology, health education, recreation administration, or physical therapy.	Physical Education	Y			738		PHYS ED	PHYSICAL EDUCATION
52	0835.00	Physical Education	Master's in physical education, or education with an emphasis in physical education, kinesiology, physiology of exercise, or adaptive physical education OR Bachelor's in any of the above AND Master's in any life science, dance, physiology, health education, recreation administration, or physical therapy.	Physical Education	Y			739		P.E.	PHYSICAL EDUCATION (NON-ACTIVITY)
53	0835.00	Physical Education	Master's in physical education, or education with an emphasis in physical education, kinesiology, physiology of exercise, or adaptive physical education OR Bachelor's in any of the above AND Master's in any life science, dance, physiology, health education, recreation administration, or physical therapy.	Physical Education	Y			740		PHYSFIT	PHYSICAL FITNESS
54	0835.60	Coaching	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Coaching	N			737		PH ED	PH ED
55	0837.00	Health	Master's in health science, health education, biology, nursing, physical education, dietetics, or nutrition OR Bachelor's in any of the above AND Master's in public health, or any biological science.	Health	Y			479		HEALTH	HEALTH
56	0837.01	Health Education - Noncredit	A bachelor's degree in health science, health education, biology, nursing, dietetics, or nutrition; or an associate degree in any of those subjects, and four years of professional experience related to the subject of the course taught. – Title 5, section 53412	Title 5	N	53412		989	CE	HLTHED	HEALTH AND SAFETY EDUCATION
57	0850.00	Sign Language	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Sign Language	N			052		A S L	AMERICAN SIGN LANGUAGE
58	0901.00	Engineering	Master's in any field of engineering OR Bachelor's in any of the above AND Master's in mathematics, physics, computer science, chemistry, or geology. (NOTE: A Bachelor's in any field of engineering with a professional engineer's license is an alternative qualification for this discipline, pursuant to Title 5 Section 53410.1.)	Engineering	Y	53410.1		388		ENG ELC	ENGINEERING, ELECTRICAL
59	0901.00	Engineering	Master's in any field of engineering OR Bachelor's in any of the above AND Master's in mathematics, physics, computer science, chemistry, or geology. (NOTE: A Bachelor's in any field of engineering with a professional engineer's license is an alternative qualification for this discipline, pursuant to Title 5 Section 53410.1.)	Engineering	Y	53410.1		392		ENG GEN	ENGINEERING, GENERAL
60	0901.00	Engineering	Master's in any field of engineering OR Bachelor's in any of the above AND Master's in mathematics, physics, computer science, chemistry, or geology. (NOTE: A Bachelor's in any field of engineering with a professional engineer's license is an alternative qualification for this discipline, pursuant to Title 5 Section 53410.1.)	Engineering	Y	53410.1		396		ENG MEC	ENGINEERING, MECHANICAL
61	0901.01	Engineering Technology	Master's in any field of engineering technology or engineering; OR Bachelor's degree in either of the above AND master's degree in physics, mathematics, computer science, biological science, or chemistry; OR Bachelor's degree in industrial technology, engineering technology or engineering AND a professional engineer's license.	Engineering Technology	Y			380		ENG TEK	ENGINEERING TECHNICIAN
62	0901.01	Engineering Technology	Master's in any field of engineering technology or engineering; OR Bachelor's degree in either of the above AND master's degree in physics, mathematics, computer science, biological science, or chemistry; OR Bachelor's degree in industrial technology, engineering technology or engineering AND a professional engineer's license.	Engineering Technology	Y			386		ECT	ENGINEERING, CIVIL TECHNOLOGY
63	0901.01	Engineering Technology	Master's in any field of engineering technology or engineering; OR Bachelor's degree in either of the above AND master's degree in physics, mathematics, computer science, biological science, or chemistry; OR Bachelor's degree in industrial technology, engineering technology or engineering AND a professional engineer's license.	Engineering Technology	Y			390		EET	ENGINEERING, ELECTRICAL TECHNOLOGY
64	0901.01	Engineering Technology	Master's in any field of engineering technology or engineering; OR Bachelor's degree in either of the above AND master's degree in physics, mathematics, computer science, biological science, or chemistry; OR Bachelor's degree in industrial technology, engineering technology or engineering AND a professional engineer's license.	Engineering Technology	Y			394		EGT	ENGINEERING, GENERAL TECHNOLOGY
65	0901.01	Engineering Technology	Master's in any field of engineering technology or engineering; OR Bachelor's degree in either of the above AND master's degree in physics, mathematics, computer science, biological science, or chemistry; OR Bachelor's degree in industrial technology, engineering technology or engineering AND a professional engineer's license.	Engineering Technology	Y			398		EMT	ENGINEERING, MECHANICAL TECHNOLOGY
66	0934.00	Electronics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electronics	N			844		CONELTK	CONSUMER ELECTRONICS TECHNICIAN
67	0934.00	Electronics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electronics	N			848		ETNCOMM	ELECTRONIC COMMUNICATIONS
68	0934.00	Electronics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electronics	N			346		ELECTRN	ELECTRONICS

	D	E	F	G	H	I	J	K	L	M	N
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69	0934.00	Electronics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electronics	N			350		ETN AST	ELECTRONICS ASSISTANT
70	0934.00	Electronics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electronics	N			358		ETNEGTK	ELECTRONICS ENGINEERING TECHNICIAN
71	0934.00	Electronics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electronics	N			369		ETNTLGY	ELECTRONICS TECHNOLOGY
72	0934.00	Electronics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electronic Technology	N			931		T V	TELEVISION
73	0934.70	Electron Microscopy	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electron microscopy	N			342		ENT MCR	ELECTRON MICROSCOPY
74	0935.00	Electromechanical Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electromechanically Technology	N			337		ELMCTEK	ELECTROMECHANICAL TECHNOLOGY
75	0936.00	Printing Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Printing Technology	N			795		GPHAMGT	PRINTING-GRAPHIC ARTS MANAGEMENT
76	0936.00	Printing Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Printing Technology	N			796		GPHARPW	PRINTING-GRAPHIC ARTS PRESSWORK --
77	0936.00	Printing Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Printing Technology	N			814		PHOTOFF	PRINTING-PHOTO-OFFSET
78	0936.00	Printing Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Printing Technology	N			798		PRINTEK	PRINTING-PRINTING TECHNOLOGY
79	0946.00	Air-conditioning , Refrigeration and Heating	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Air-conditioning , Refrigeration and Heating	N			031		A/C TECH A/C TEQ	AIR CONDITIONING TECHNIQUES-BASIC
80	0946.00	Air-conditioning , Refrigeration and Heating	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Air-conditioning , Refrigeration and Heating	N			035		A/C TEK	AIRCONDITIONING & REFRIGERATING TECHNOLOGY
81	0946.00	Air-conditioning , Refrigeration and Heating	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Air-conditioning , Refrigeration and Heating	N			038		REF A/C	REFRIGERATION AIR CONDITIONING MECHANICS
82	0947.00	Diesel Mechanics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Diesel Mechanics	N			954		DIESLTK	DIESEL AND RELATED TECHNOLOGY
83	0947.01	Diesel Mechanics - Apprentice	1) Possession of an associate degree, plus four years of occupational experience in the subject matter area to be taught; or2) Six years of occupational experience, a journeyman's certificate in the subject matter area to be taught, and completion of at least eighteen (18) semester units of degree applicable college level course work, in addition to apprenticeship credits. -- Title 5, section 53413	Diesel Mechanics	N	53413		958		TRKM AP	TRUCK MECHANIC - APPRENTICE
84	0948.00	Auto Mechanics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Auto Mechanics	N			117		AUTOMO	AUTOMOBILE TECHNOLOGY
85	0948.00	Auto Mechanics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Auto Mechanics	N			107		AUTORTK	AUTOMOTIVE AND RELATED TECHNOLOGY
86	0948.00	Auto Mechanics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Auto Mechanics	N			272		AUTOENG	AUTOMOTIVE ENGINE TECHNOLOGY
87	0948.00	Auto Mechanics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Auto Mechanics	N			111		A S T	AUTOMOTIVE SERVICE TECHNOLOGY
88	0948.00	Auto Mechanics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Auto Mechanics	N			118		AUTOTEK	AUTOMOTIVE TECHNOLOGY
89	0948.00	Auto Mechanics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Auto Mechanics	N			513		IMPORT	IMPORT AUTOMOBILE TECHNOLOGY
90	0948.30	Motorcycle Repair	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Motorcycle Repair	N			643		MCYCMEK	MOTORCYCLE REPAIR MECHANIC
91	0949.00	Autobody Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Autobody Technology	N			095		AUTOCOR	AUTOMOTIVE COLLISION REPAIR
92	0950.00	Aeronautical and Aviation Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Aeronautics	N			046		ASP PT	AEROSPACE PRODUCTION TECHNOLOGY
93	0950.20	Aviation Powerplant Mechanics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Aeronautics	N			122		AVIATEK	AVIATION MAINTENANCE TECHNICIAN
94	0950.40	Aircraft Electronics	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Aeronautics	N			042		A/C ET	AIRCRAFT ELECTRONICS TECHNOLOGY
95	0950.60	Piloting	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Aeronautics	N			705		PILOT	PILOTING
96	0952.00	Construction Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Construction Technology	N			152		BLDGCTQ	BUILDING CONSTRUCTION TECHNIQUES
97	0952.10	Carpentry	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Carpentry	N			168		CRPNTRY	CARPENTRY
98	0952.11	Carpentry - Apprentice	1) Possession of an associate degree, plus four years of occupational experience in the subject matter area to be taught; or2) Six years of occupational experience, a journeyman's certificate in the subject matter area to be taught, and completion of at least eighteen (18) semester units of degree applicable college level course work, in addition to apprenticeship credits. -- Title 5, section 53413	Carpentry (Title 5 apprentice)	N	53413		169		CARP AP	CARPENTRY APPRENTICESHIP
99	0952.20	Electricity	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electricity	N			312		ECOMNT	ELECTRICAL CONSTRUCTION AND MAINTENANCE
100	0952.20	Electricity	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electricity	N			316		ECONENG	ELECTRICAL CONSTRUCTION ENGINEERING
101	0952.20	Electricity	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electricity	N			327		ELECSEP	ELECTRICAL SUPPLY & EQUIPMENT PROCESSING

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102	0952.21	Electricity - Apprentice	1) Possession of an associate degree, plus four years of occupational experience in the subject matter area to be taught; or2) Six years of occupational experience, a journeyman's certificate in the subject matter area to be taught, and completion of at least eighteen (18) semester units of degree applicable college level course work, in addition to apprenticeship credits. – Title 5, section 53413	Title 5	N	53413		309		CBLS AP	ELECTRICAL CABLE SPLICER FOR APPRENTICES
103	0952.21	Electricity - Apprentice	1) Possession of an associate degree, plus four years of occupational experience in the subject matter area to be taught; or2) Six years of occupational experience, a journeyman's certificate in the subject matter area to be taught, and completion of at least eighteen (18) semester units of degree applicable college level course work, in addition to apprenticeship credits. – Title 5, section 53413	Title 5	N	53413		320		ELECLNM	ELECTRICAL LINEMAN - APPRENTICE
104	0952.22	Electrical Lineman	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Electricity	N			123		ELECLN	ELECTRICAL LINEMAN
105	0952.30	Plumbing	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Plumbing	N			757		PIPETEK	PIPING TECHNOLOGY
106	0952.30	Plumbing	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Plumbing	N			772		PLUMBNG	PLUMBING
107	0952.50	Cabinet Making	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Cabinet Making	N			164		CBNTMKG	CABINETMAKING AND MILLWORK
108	0952.51	Cabinet Making - Apprentice	1) Possession of an associate degree, plus four years of occupational experience in the subject matter area to be taught; or2) Six years of occupational experience, a journeyman's certificate in the subject matter area to be taught, and completion of at least eighteen (18) semester units of degree applicable college level course work, in addition to apprenticeship credits. – Title 5, section 53413	Cabinet Making (Title 5 apprentice)	N	53413		163		CBML AP	CABINET MILLWORK - APPRENTICE
109	0952.70	Painting - Apprentice	1) Possession of an associate degree, plus four years of occupational experience in the subject matter area to be taught; or2) Six years of occupational experience, a journeyman's certificate in the subject matter area to be taught, and completion of at least eighteen (18) semester units of degree applicable college level course work, in addition to apprenticeship credits. – Title 5, section 53413	Construction Technology (Title 5 apprentice)	N	53413		708		PNT AP	PAINTING APPRENTICE
110	0952.80	Drywall - Apprentice	1) Possession of an associate degree, plus four years of occupational experience in the subject matter area to be taught; or2) Six years of occupational experience, a journeyman's certificate in the subject matter area to be taught, and completion of at least eighteen (18) semester units of degree applicable college level course work, in addition to apprenticeship credits. – Title 5, section 53413	Construction Technology (Title 5 apprentice)	N	53413		286		DRYWLAP	DRYWALL APPRENTICE
111	0953.00	Drafting	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Drafting	N			274		DRAFT	DRAFTING
112	0953.00	Drafting	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Drafting	N			278		DRAFAST	DRAFTING ROOM ASSISTANT
113	0954.00	Chemical Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Environmental Technologies	N			179		CHEM T	CHEMICAL TECHNOLOGY
114	0956.00	Industrial Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Industrial Technology	N			517		IND ART	INDUSTRIAL ARTS
115	0956.00	Industrial Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Industrial Technology	N			522		IND TEK	INDUSTRIAL TECHNOLOGY
116	0956.30	Machine Tool Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Machine Tool Technology	N			574		MSCNC	MACHINE SHOP - CNC
117	0956.30	Machine Tool Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Machine Tool Technology	N			578		MTTM T T	MACHINE TOOLS TECHNOLOGY
118	0956.30	Machine Tool Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Machine Tool Technology	N			662		NUM CON	NUMERICAL CONTROL
119	0956.30	Machine Tool Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Machine Tool Technology	N			943		T & M	TOOL AND MANUFACTURING TECHNOLOGY
120	0956.40	Sheet Metal	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Sheet Metal	N			882		SHETMTL	SHEET METAL WORK
121	0956.41	Sheet Metal - Apprentice	1) Possession of an associate degree, plus four years of occupational experience in the subject matter area to be taught; or2) Six years of occupational experience, a journeyman's certificate in the subject matter area to be taught, and completion of at least eighteen (18) semester units of degree applicable college level course work, in addition to apprenticeship credits. – Title 5, section 53413	Sheet Metal (Title 5 apprentice)	N	53413		883		SHTM AP	SHEET METAL WORK APPRENTICE
122	0956.50	Welding	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Welding	N			969		WELDG/E	WELDING GAS AND ELECTRIC
123	0956.80	Quality Control	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Manufacturing Technology	N			593		MEASURE	MEASUREMENT SCIENCE
124	0956.80	Quality Control	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Manufacturing Technology	N			840		Q CNTRL	QUALITY CONTROL
125	0957.00	Steam Plant Operation	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Industrial Maintenance	N			377		OPMAINT	ENGINEER OPERATION MAINTENANCE

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1	QTOP	QTOP Title	Minimum Qualifications	State MQ Title	Master's (Y/N)	Title 5	License	Sub Code	Subject Left	Abbrev Title	Subject Title
126	0957.01	Steam Plant Operation - Apprentice	1) Possession of an associate degree, plus four years of occupational experience in the subject matter area to be taught; or2) Six years of occupational experience, a journeyman's certificate in the subject matter area to be taught, and completion of at least eighteen (18) semester units of degree applicable college level course work, in addition to apprenticeship credits. – Title 5, section 53413	Industrial Maintenance	N	53413		378		OPMA AP	ENGINEER-OPR/MAINTENANCE - APPRENTICE
127	0957.02	Street Maintenance	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Industrial Maintenance	N			910		ST MAIN	STREET MAINTENANCE
128	0957.30	Surveying	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Engineering Support	N			384		ENG CIV	ENGINEERING, CIVIL
129	0957.40	Engineering Support	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Engineering Support	N			382		ENG SUP	ENGINEERING SUPPORT
130	0958.00	Water and Wastewater Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Environmental Technologies	N			962		WATER	SUPPLY WATER TECHNOLOGY
131	0958.00	Water and Wastewater Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Environmental Technologies	N			963		WASTE	WASTEWATER TECHNOLOGY
132	0958.01	Process Plant Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Environmental Technologies	N			818		PRPLTEK	PROCESS PLANT TECHNOLOGY
133	0958.02	Solid Waste Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Environmental Technologies	N			895		SWM TEK	SOLID WASTE MANAGEMENT TECHNOLOGY
134	1002.00	Art	Master's in fine arts, art, or art history OR Bachelor's in any of the above AND Master's in humanities OR The equivalent NOTE: "Master's in fine arts" as used here refers to any master's degree in the subject matter of fine arts, which is defined to include visual studio arts such as drawing, painting, sculpture, printmaking, ceramics, textiles, and metal and jewelry art; and also art education and art therapy. It does not refer to the "Master of Fine Arts" (MFA) degree when that degree is based on specialization in performing arts or dance, film, video, photography, creative writing, or other non-plastic arts.)	Art	Y			080		ART	ART
135	1004.00	Music	Masters in Music OR Bachelor's in Music And Master in Humanities .	Music	Y			646		MUSIC	MUSIC
136	1005.00	Commercial Music	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Commercial Music	N			647		COM MUSIC	COMMERC MUSIC
137	1006.00	Theater Tech	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Stagecraft	N			936		THEATER TECH	THEATER TECH
138	1007.00	Theater Arts	Master's in drama/theater arts/performance OR Bachelor's in drama/theater arts/performance AND Master's in comparative literature, English, speech, literature, or humanities.	Theater Arts	Y			935		THEATER	THEATER
139	1008.00	Dance	Masters in Dance, physical education with a dance emphasis or theater with a dance emphasis, OR Bachelor's in any of the above AND a Master's in physical education , any life science, physiology, theater arts, kinesiology, humanities, performing arts, or music	Dance	Y			253		DANCETQ	DANCE TECHNIQUES
140	1008.00	Dance	Masters in Dance, physical education with a dance emphasis or theater with a dance emphasis, OR Bachelor's in any of the above AND a Master's in physical education , any life science, physiology, theater arts, kinesiology, humanities, performing arts, or music	Dance	Y			250		DANCEST	DANCE STUDIES
141	1008.02	Folk Dancing	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Folk Dancing	N			258		DNCESPC	DANCE SPECIALTIES
142		Photography	Master's in photography, fine arts, or art OR Bachelor's in any one of the above AND Master's in art history or humanities	Photography	N			730			
143	1011.00	Commercial Photography	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Photographic Technology/Commercial Photography	N			730		PHOTO	PHOTOGRAPHY
144	1012.00	Photographic Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Photographic Technology/Commercial Photography	N			734		PHOTO T	PHOTOGRAPHY-T
145	1013.00	Commercial Art	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Commercial Art	N			886		SGNGRPH	SIGN GRAPHICS
146	1013.00	Commercial Art	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Commercial Art	N			957		VISCOM	VISUAL COMMUNICATIONS
147	1030.00	Graphic Arts	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Commercial Art	N			791		GRHARCP	PRINTING GRAPHIC ARTS COMPOSITION
148	1102.00	French	Master's in French OR Bachelor's in French AND Master's in another language or linguistics.	Foreign Languages	Y			449		FRENCH	FRENCH
149	1103.00	German	Master's in German OR Bachelor's in German AND Master's in another language or linguistics.	Foreign Languages	Y			464		GERMAN	GERMAN
150	1104.00	Italian	Master's in Italian OR Bachelor's in Italian AND Master's in another language or linguistics.	Foreign Languages	Y			536		ITALIAN	ITALIAN
151	1105.00	Spanish	Master's in Spanish OR Bachelor's in Spanish AND Master's in another language or linguistics.	Foreign Languages	Y			897		SPANISH	SPANISH
152	1106.00	Russian	Master's in Russian OR Bachelor's in Russian AND Master's in another language or linguistics.	Foreign Languages	Y			871		RUSSIAN	RUSSIAN
153	1107.00	Chinese	Master's in Chinese OR Bachelor's in Chinese AND Master's in another language or linguistics.	Foreign Languages	Y			190		CHINESE	CHINESE

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1	QTOP	QTOP Title	Minimum Qualifications	State MQ Title	Master's (Y/N)	Title 5	License	Sub Code	Subject Left	Abbrev Title	Subject Title
154	1108.00	Japanese	Master's in Japanese OR Bachelor's in Japanese AND Master's in another language or linguistics.	Foreign Languages	Y			540		JAPAN	JAPANESE
155	1109.00	Latin	Master's in Latin OR Bachelor's in Latin AND Master's in another language or linguistics.	Foreign Languages	Y			557		LATIN	LATIN
156	1111.00	Hebrew and Semitic	Master's in Hebrew OR Bachelor's in Hebrew AND Master's in another language or linguistics.	Foreign Languages	Y			494		HEBREW	HEBREW
157	1112.00	Arabic	Master's in discipline's language OR Bachelor's in discipline's language AND Master's in another language or linguistics.	Foreign Languages	Y			065		ARABIC	ARABIC
158	1117.00	Thai	Master's in discipline's language OR Bachelor's in discipline's language AND Master's in another language or linguistics.	Foreign Languages	Y			933		THAI	THAI
159	1117.10	Filipino	Master's in discipline's language OR Bachelor's in discipline's language AND Master's in another language or linguistics.	Foreign Languages	Y			755		FILIPINO	FILIPINO
160	1117.30	Korean	Master's in discipline's language OR Bachelor's in discipline's language AND Master's in another language or linguistics.	Foreign Languages	Y			551		KOREAN	KOREAN
161	1119.00	Portuguese	Master's in discipline's language OR Bachelor's in discipline's language AND Master's in another language or linguistics.	Foreign Languages	Y			778		PORTGSE	PORTUGUESE
162	1199.00	Armenian	Master's in discipline's language OR Bachelor's in discipline's language AND Master's in another language or linguistics.	Foreign Languages	Y			076		ARMEN	ARMENIAN
163	1199.01	Yiddish	Master's in Yiddish OR Bachelor's in Yiddish AND Master's in another language or linguistics.	Foreign Languages	Y			975		YIDDISH	YIDDISH
164	1199.02	Farsi	Master's in discipline's language OR Bachelor's in discipline's language AND Master's in another language or linguistics.	Foreign Languages	Y			420		FARSI	FARSI
165	1201.00	Health Care Ancillaries	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Health Care Ancillaries	N			491		ALD HTH	ALLIED HEALTH
166	1201.00	Health Care Ancillaries	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Health Care Ancillaries	N			483		HLTHOCC	HEALTH OCCUPATIONS
167	1204.20	Dental Hygienist	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Dental Technology	N		?	255		DEN HY	DENTAL HYGIENE
168	1204.30	Dental Laboratory Technician	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Dental Technology	N			259		DEN TEK	DENTAL TECHNOLOGY
169	1208.30	Cancer Program Management	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Health Care Ancillaries	N			166		CANPMGT	CANCER PROGRAM MANAGEMENT
170	1210.00	Respiratory Technician	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Respiratory Technician	N		?	863		RESP TH	RESPIRATORY THERAPY
171	1221.00	Pharmacy Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Pharmacy Technology	N		?	720		PHRMCTK	PHARMACY TECHNICIAN
172	1222.00	Physical Therapy Assisting	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Physical Therapy Assisting	N		?	745		PHYS AS	PHYSICAL THERAPIST ASSISTANT
173	1223.00	Health Information Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Health Information Technology	N			608		HTHTEK	HEALTH INFORMATION TECHNOLOGY
174	1225.00	Radiological Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Radiological Technology	N		?	852		RAD TEC	RADIOLOGICAL TECHNOLOGY
175	1228.00	Athletic Training	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Athletic Training	N			094		ATHTRN	ATHLETIC TRAINING
176	1230.10	Nursing	Master's in nursing OR Bachelor's in nursing AND Master's in health education or health science. Also, valid and active RN license and at least one year's experience as a registered nurse providing direct patient care. Also, completion of at least one year's experience teaching courses related to nursing or a course which includes practice in teaching nursing.	Nursing	Y		yes	669		NURSING	NURSING
177	1230.10	Nursing	Master's in nursing OR Bachelor's in nursing AND Master's in health education or health science. Also, valid and active RN license and at least one year's experience as a registered nurse providing direct patient care. Also, completion of at least one year's experience teaching courses related to nursing or a course which includes practice in teaching nursing.	Nursing	Y		yes	673		REGNRSG	NURSING, REGISTERED
178	1230.12	Reg Nursing Clinical	%Bachelor's degree and two years of experience, or any associate degree and six years of experience. A clinical teaching assistant shall have at least one year's experience within the past five years as a registered nurse providing direct patient care.	Health Care Ancillaries	N		yes	669 majority of std hrs must be clinical		NURSING	NURSING
179	1230.12	Reg Nursing Clinical	%Bachelor's degree and two years of experience, or any associate degree and six years of experience. A clinical teaching assistant shall have at least one year's experience within the past five years as a registered nurse providing direct patient care.	Health Care Ancillaries	N		yes	673 majority of std hrs must be clinical		REGNRSG	NURSING, REGISTERED
180	1230.12	Reg Nursing Clinical	%Bachelor's degree and two years of experience, or any associate degree and six years of experience. A clinical teaching assistant shall have at least one year's experience within the past five years as a registered nurse providing direct patient care.	Health Care Ancillaries	N			671		NRSCE	NURSING SCIENCE
181	1230.20	Licensed Vocational Nursing	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Licensed Vocational Nursing	N		yes	675		NURSVOC	NURSING, VOCATIONAL
182	1250.00	Emergency Medical Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Healthcare Ancillaries	N			373		E D A	EMERGENCY DEPARTMENT ASSISTANT

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1	QTOP	QTOP Title	Minimum Qualifications	State MQ Title	Master's (Y/N)	Title 5	License	Sub Code	Subject Lett	Abbrev Title	Subject Title
183	1250.00	Emergency Medical Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Healthcare Ancillaries	N			374		EMS	EMERGENCY MEDICAL SERVICES
184	1301.00	Family and Consumer Studies/Home Economics	Master's in family and consumer studies, life management/ home economics, or home economics education OR Bachelor's in any of the above AND Master's in child development, early childhood education, human development, gerontology, fashion, clothing and textiles, housing/interior design, foods/nutrition, or dietetics and food administration	Family and Consumer Studies/Home Economics	Y			418		FAM &CS	FAMILY AND CONSUMER STUDIES
185	1301.10	Home Economics - Noncredit	A bachelor's degree in home economics, life management, family and consumer studies, dietetics, food management, interior design, or clothing and textiles; or an associated degree in any of those subjects, and four years of professional experience related to the subject of the course taught. – Title 5, section 53412	Title 5 53412	N	53412		988	CE	HOMECON	HOME ECONOMICS
186	1302.00	Interior Design	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Interior Design	N			530		INTRDGN	INTERIOR DESIGN
187	1303.10	Fashion and Related Technologies	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Fashion and Related Technologies	N			422		FASHDSN	FASHION DESIGN
188	1303.10	Fashion and Related Technologies	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Fashion and Related Technologies	N			612		FASHMER	FASHION MERCHANDISING
189	1303.10	Fashion and Related Technologies	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Fashion and Related Technologies	N			916		TAILRNG	TAILORING
190	1305.00	Child Development/Early Childhood Education	Master's in child development, early childhood education, human development, home economics/family and consumer studies with a specialization in child development/early childhood education, educational psychology with a specialization in child development/early childhood education OR any Bachelor's in any of the above AND a Master's in social work, educational supervision, elementary education, special education, psychology, bilingual/bicultural education, life management/home economics, family life studies, or family and consumer studies.	Child Development/Early Childhood Education	Y	53410.1		187		CH DEV	CHILD DEVELOPMENT
191	1305.60	Parent and Family Education - Noncredit	A bachelor's degree in child development, early childhood education, human development, family and consumer studies with a specialization in child development or early childhood education, educational psychology with a specialization in child development, elementary education, psychology, or family life studies; and two years of professional experience in early childhood programs or parenting education. – Title 5, section 53412	Title 5	N			981	CE	PARENT	PARENTING
192	1306.30	Culinary Arts, Food Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Culinary Arts/Food Technology	N			126		PROFBKG	BAKING, PROFESSIONAL
193	1306.30	Culinary Arts, Food Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Culinary Arts, Food Technology	N			175		CLN ART	CULINARY ARTS
194	1306.31	Culinary Arts, Food Technology - Apprentice	1) Possession of an associate degree, plus four years of occupational experience in the subject matter area to be taught; or2) Six years of occupational experience, a journeyman's certificate in the subject matter area to be taught, and completion of at least eighteen (18) semester units of degree applicable college level course work, in addition to apprenticeship credits. – Title 5, section 53413.	Culinary Arts, Food Technology (Title 5 apprentice)	N	53413		176		CULN AP	CULINARY ARTS - APPRENTICE
195	1307.00	Hospitality	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Travel Services	N			499		HOSPT	HOSPITALITY
196	1307.10	Restaurant Management	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Restaurant Management	N			443		FSMGT	FOOD SERVICE MANAGEMENT
197	1307.10	Restaurant Management	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Restaurant Management	N			867		RESTMGT	RESTAURANT MANAGEMENT
198	1401.00	Law	JD or LL.B. (NOTE: Courses in aspects of law for application to a particular discipline may be classified, for minimum qualifications purposes, in the discipline of the application.)	Law	Y			559		LAW	LAW
199	1402.00	Legal Assisting	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Legal Assisting	N			712		PALEGAL	PARALEGAL
200	1501.00	English	Master's in English, literature, comparative literature, or composition OR Bachelor's in any of the above AND Master's in linguistics, TESL, speech, education with a specialization in reading, creative writing, or journalism.	English	Y			399		ENGLISH	ENGLISH
201	1501.10	Linguistics	Master's in linguistics or applied linguistics OR Bachelor's in linguistics AND Master's in TESOL, anthropology, psychology, sociology, English, or any foreign language.	Linguistics	Y			567		LING	LINGUISTICS
202	1506.00	Speech	Master's in speech, speech broadcasting, telecommunications, rhetoric, communication, speech communication, or organizational communication OR Bachelor's in any of the above AND Master's in drama/theater arts, mass communication, or English.	Speech	Y			901		SPEECH	SPEECH
203	1509.00	Philosophy	Master's in philosophy OR Bachelor's in philosophy AND Master's in humanities or religious studies.	Philosophy	Y			722		PHILOS	PHILOSOPHY
204	1601.00	Library Science	Master's in library science, library and information science.	Library Science	Y			663		LIB SCI	LIBRARY SCIENCE
205	1601.01	Library Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Library Science	N			561		LIB MED	LIBRARY MEDIA TECHNOLOGY
206	1701.00	Mathematics	Master's in mathematics or applied mathematics OR Bachelor's in either of the above AND Master's in statistics, physics, or mathematics education.	Mathematics	Y			589		MATH	MATH

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1	QTOP	QTOP Title	Minimum Qualifications	State MQ Title	Master's (Y/N)	Title 5	License	Sub Code	Subject Left	Abbrev Title	Subject Title
207	1801.00	Military Science	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Other	N			637		MILITAR	MILITARY SCIENCE
208	1901.00	Physical Sciences	Master's in one of the disciplines included in the interdisciplinary area and upper division or graduate course work in at least one other constituent discipline. (DAS will determine the appropriate interdisciplinary disciplines)	Physical Sciences	Y			741		PHYS SC	PHYSICAL SCIENCE
209	1902.00	Physics/Astronomy	Master's in physics, astronomy, or astrophysics OR Bachelor's in physics or astronomy AND Master's in engineering, mathematics, meteorology, or geophysics.	Physics/Astronomy	Y			092		ASTRON	ASTRONOMY
210	1902.00	Physics/Astronomy	Master's in physics, astronomy, or astrophysics OR Bachelor's in physics or astronomy AND Master's in engineering, mathematics, meteorology, or geophysics.	Physics/Astronomy	Y			749		PHYSICS	PHYSICS
211	1905.00	Chemistry	Master's in chemistry OR Bachelor's in chemistry or biochemistry AND Master's in biochemistry, chemical engineering, chemical physics, physics, molecular biology, or geochemistry	Chemistry	Y			183		CHEM	CHEMISTRY
212	1914.00	Earth Science	Master's in geology, geophysics, earth sciences, meteorology, oceanography, or paleontology OR Bachelor's in geology AND Master's in geography, physics, or geochemistry.	Earth Science	Y			289		EARTH	EARTH SCIENCE
213	1914.00	Earth Science	Master's in geology, geophysics, earth sciences, meteorology, oceanography, or paleontology OR Bachelor's in geology AND Master's in geography, physics, or geochemistry.	Earth Science	Y			460		GEOLOGY	GEOLOGY
214	1914.00	Earth Science	Master's in geology, geophysics, earth sciences, meteorology, oceanography, or paleontology OR Bachelor's in geology AND Master's in geography, physics, or geochemistry.	Earth Science	Y			639		MINERAL	MINERALOGY
215	1914.00	Earth Science	Master's in geology, geophysics, earth sciences, meteorology, oceanography, or paleontology OR Bachelor's in geology AND Master's in geography, physics, or geochemistry.	Earth Science	Y			684		OCEAN	OCEANOGRAPHY
216	2001.00	Psychology	Master's in psychology OR Bachelor's in psychology AND Master's in counseling, sociology, statistics, neuroscience, or social work.	Psychology	Y			825		PSYCH	PSYCHOLOGY
217	2104.40	Addiction Paraprofessional Training	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Addiction Paraprofessional Training	N			048		ADDICST	ADDICTION STUDIES
218	2104.40	Addiction Paraprofessional Training	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Addiction Paraprofessional Training	N			512		HS DA	HUMAN SERVICES- DRUG/ALCOHOL TREATMENT
219	2105.00	Administration of Justice	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Administration of Justice	N			008		ADM JUS	ADMINISTRATION OF JUSTICE
220	2105.10	Corrections	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Administration of Justice	N			236		CORR	CORRECTIONS
221	2105.30	Industrial and Transportation Security	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Administration of Justice	N			816		PSM	PRIVATE SECURITY MANAGEMENT
222	2133.00	Fire Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Fire Technology	N			435		FIRETEK	FIRE TECHNOLOGY
223	2133.00	Fire Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Fire Technology	N			964		WFT	WILDLAND FIRE TECHNOLOGY
224	2133.00	Fire Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Fire Technology	N			965		WFTL	WILDLAND FIRE TECHNOLOGY LOGISTICS
225	2133.00	Fire Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Fire Technology	N			972		WFTO	WILDLAND FIRE TECHNOLOGY OPERATIONS
226	2133.00	Fire Technology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Fire Technology	N			974		WFTP	WILDLAND FIRE TECHNOLOGY PREVENTION
227	2199.00	Public Administration/Community Planning	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Banking and Finance	N			205		COMPLAN	COMMUNITY PLANNING/ECONOMIC DEVELOPMENT
228	2199.00	Public Administration/Community Planning	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Banking and Finance	N			775		PUB ADM	PUBLIC ADMINISTRATION URBAN PLANNING
229	2201.00	Social Science	Masters in Social Sciences	Social Science	Y			890		SOC SCI	SOCIAL SCIENCE
230	2202.00	Anthropology	Master's in anthropology or archaeology OR Bachelors in either of the above AND Master's in sociology, biological sciences, forensic sciences, genetics or paleontology.	Anthropology	Y			061		ANTHRO	ANTHROPOLOGY
231	2203.00	African-American Studies	Master's in the African-American Studies OR Master's in one of the disciplines included in the interdisciplinary area and upper division or graduate course work in at least one other constituent discipline.	Ethnic Studies	Y			012		AFRO AM	AFRICAN-AMERICAN STUDIES
232	2203.01	Chicano Studies	Master's in Chicano Studies OR Master's in one of the disciplines included in the interdisciplinary area and upper division or graduate course work in at least one other constituent discipline.	Ethnic Studies	Y			185		CHICANO	CHICANO STUDIES
233	2203.02	Asian American Studies	Master's in the interdisciplinary area OR Master's in one of the disciplines included in the interdisciplinary area and upper division or graduate course work in at least one other constituent discipline.	Ethnic Studies	Y			088		ASIAN	ASIAN STUDIES - AMERICAN STUDIES
234	2203.03	Jewish Studies	Master's in the Jewish Studies OR Master's in one of the disciplines included in the interdisciplinary area and upper division or graduate course work in at least one other constituent discipline.	Ethnic Studies	Y			544		JEWISH	JEWISH STUDIES

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235	2204.00	Economics	Master's in economics OR Bachelor's in economics AND Master's in business, business administration, business management, business education, finance, or political science OR	Economics	Y			293		ECON	ECONOMICS
236	2205.00	History	Master's in history OR Bachelor's in history AND Master's in political science, humanities, geography, area studies, women's studies, social science, or ethnic studies.	History	Y			498		HISTORY	HISTORY
237	2206.00	Geography	Master's in geography OR Bachelor's in geography AND Master's in geology, history, meteorology, or oceanography OR See Interdisciplinary Studies.	Geography	Y			457		GIS	GEOGRAPHIC INFORMATION SYSTEMS
238	2206.00	Geography	Master's in geography OR Bachelor's in geography AND Master's in geology, history, meteorology, or oceanography OR See Interdisciplinary Studies.	Geography	Y			456		GEOG	GEOGRAPHY
239	2206.00	Geography	Master's in geography OR Bachelor's in geography AND Master's in geology, history, meteorology, or oceanography OR See Interdisciplinary Studies.	Geography	Y			624		METEOR	METEOROLOGY
240	2207.00	Political Science	Master's in political science, government, public administration, or international relations OR Bachelor's in any of the above AND Master's in economics, history, social science, sociology, any ethnic studies, JD, or LL.B.	Political Science	Y			776		POL SCI	POLITICAL SCIENCE
241	2208.00	Sociology	Master's in sociology OR Bachelor's in sociology AND Master's in anthropology, any ethnic studies, social work, or psychology.	Sociology	Y			893		SOC	SOCIOLOGY
242	2299.00	Statistics	Master's in psychology OR Bachelor's in psychology AND Master's in counseling, sociology, statistics, neuroscience, or psychiatric social work; OR, Master's in sociology OR Bachelor's in sociology AND Master's in anthropology, any ethnic studies, social work, or psychology.	Social Science	Y			905		STAT	STATISTICS
243	3007.00	Cosmetology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Cosmetology	N			240		CSMTLGY	COSMETOLOGY
244	3007.00	Cosmetology	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Cosmetology	N			586		MANCRNG	MANICURING
245	3009.00	Travel Services	%Bachelor's degree and two years of experience, or any associate degree and six years of experience.	Travel Services	N			950		TRAVEL	TRAVEL
246	4903.00	Humanities	Master's in humanities OR see Interdisciplinary Studies	Interdisciplinary Studies	Y			510		HUMAN	HUMANITIES
247	4930.00	Older Adults - Noncredit	(h) For a noncredit course intended for older adults, either pattern (1) or pattern (2) following: (1) A bachelor's degree with a major related to the subject of the course taught, and either (A) or (B) below: (A) Thirty hours or two semester units of course work or class work in understanding the needs of the older adult taken at an accredited institution of higher education or approved by the district. This requirement may be completed concurrently during the first year of employment as a noncredit instructor. (B) One year of professional experience working with older adults. (2) An associate degree with a major related to the subject of the course taught; and two years of occupational experience related to the subject of the course taught; and sixty hours or four semester units of coursework or classwork in understanding the needs of the older adult, taken at an accredited institution of higher education or approved by the district. This last requirement may be completed concurrently during the first year of employment as a noncredit instructor. - Title 5, section 53412(h)	Title 5	N	53412		987	CE	OLD ADL	OLDER ADULTS
248	4930.12	Vocational Education - Noncredit	For a short-term noncredit vocational course, any one of the following: A bachelor's degree; and two years of occupational experience related to the subject of the course taught An associate degree and six years of occupational experience related to the subject of the course taught. Possession of a full-time, clear California Designated. Subjects Adult Education Teaching Credential authorizing instruction in the subject matter. Courses in an occupation for which the district offers or has offered apprenticeship instruction, the minimum qualifications for noncredit apprenticeship instructors in that occupation, as specified in Title 5, Section 53413.- Title 5, section 53412	Title 5	N	53412		986	CE	VOC ED	VOCATIONAL EDUCATION
249	4930.71	Reading College Level	Master's in education with a specialization in reading or teaching reading; OR Bachelor's in any academic discipline AND twelve semester units of course work in teaching reading AND Master's in English, literature, linguistics, applied linguistics, composition, comparative literature, TESL, or psychology.		Y			854		READING	READING
250	4930.72	Learning Skills	The minimum Qualification shall be either (a) or (b) below: (a) the minimum qualifications to teach any master's level discipline in which learning assistance or tutoring is provided at the college where the coordinator is employed; or (b) a master's degree in education, educational psychology, or instructional psychology, or other master's degree with emphasis in adult learning theory. Minimum qualifications do not apply to tutoring or learning assistance for which no apportionment is claimed. - Title 5, section 53415	Learning Assistance Instructors (Title 5 53415)	Y	53415		263		DEV COM	DEVELOPMENTAL COMMUNICATIONS

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	QTOP	QTOP Title	Minimum Qualifications	State MQ Title	Master's (Y/N)	Title 5	License	Sub Code	Subject Left	Abbrev Title	Subject Title
251	4930.72	Learning Skills	The minimum Qualification shall be either (a) or (b) below: (a) the minimum qualifications to teach any master's level discipline in which learning assistance or tutoring is provided at the college where the coordinator is employed; or (b) a master's degree in education, educational psychology, or instructional psychology, or other master's degree with emphasis in adult learning theory. Minimum qualifications do not apply to tutoring or learning assistance for which no apportionment is claimed. – Title 5, section 53415	Learning Assistance Instructors (Title 5 53415)	Y	53415		564		LRNFDTN	LEARNING FOUNDATION
252	4930.72	Learning Skills	The minimum Qualification shall be either (a) or (b) below: (a) the minimum qualifications to teach any master's level discipline in which learning assistance or tutoring is provided at the college where the coordinator is employed; or (b) a master's degree in education, educational psychology, or instructional psychology, or other master's degree with emphasis in adult learning theory. Minimum qualifications do not apply to tutoring or learning assistance for which no apportionment is claimed. – Title 5, section 53415	Learning Assistance Instructors (Title 5 53415)	Y	53415		560		LRNSKIL	LEARNING SKILLS
253	4930.72	Learning Skills	The minimum Qualification shall be either (a) or (b) below: (a) the minimum qualifications to teach any master's level discipline in which learning assistance or tutoring is provided at the college where the coordinator is employed; or (b) a master's degree in education, educational psychology, or instructional psychology, or other master's degree with emphasis in adult learning theory. Minimum qualifications do not apply to tutoring or learning assistance for which no apportionment is claimed. – Title 5, section 53415	Learning Assistance Instructors (Title 5 53415)	Y	53415		900		TUTOR	SUPERVISED LEARNING ASSISTANCE
254	4930.73	Basic Skills Interdisciplinary - Noncredit	For an interdisciplinary noncredit basic skills course, a bachelor's in any social science, humanities, mathematics, or natural science discipline or in liberal studies, as appropriate for the course – Title 5, section 53412	Title 5	N	53412		982	CE	BSICSKL	BASIC SKILLS
255	4930.74	Basic Skills Math - Noncredit	For a noncredit basic skills course in mathematics, a bachelor's in mathematics – Title 5, section 53412	Title 5	N	53412		982	CE	BSICSKL	BASIC SKILLS
256	4930.75	Basic Skills Read/Write - Noncredit	For a noncredit basic skills course in reading and/or writing, either: a bachelor's degree in English, literature, comparative literature, composition, linguistics, speech, creative writing, or journalism; or a bachelor's degree in any discipline and twelve semester units of coursework in teaching reading– Title 5, section 53412	Title 5	N	53412		982	CE	BSICSKL	BASIC SKILLS
257	4930.80	ESL	Master's in TESL, TESOL, applied linguistics with a TESL emphasis, linguistics with a TESL emphasis, English with a TESL emphasis, or education with a TESL emphasis OR Bachelor's in TESL, TESOL, English with a TESL certificate, linguistics with a TESL certificate, applied linguistics with a TESL certificate, or any foreign language with a TESL certificate AND Master's in linguistics, applied linguistics, English, composition, bilingual/bicultural studies, reading, speech, or any foreign language.	ESL	Y			400		ESL	ENGLISH AS A SECOND LANGUAGE
258	4930.80	ESL	Master's in TESL, TESOL, applied linguistics with a TESL emphasis, linguistics with a TESL emphasis, English with a TESL emphasis, or education with a TESL emphasis OR Bachelor's in TESL, TESOL, English with a TESL certificate, linguistics with a TESL certificate, applied linguistics with a TESL certificate, or any foreign language with a TESL certificate AND Master's in linguistics, applied linguistics, English, composition, bilingual/bicultural studies, reading, speech, or any foreign language.	ESL	Y			401		E.S. L.	ENGLISH AS A SECOND LANGUAGE
259	4930.82	ESL - Noncredit	For a noncredit course in English as a second language (ESL), any one of the following: A bachelor's degree in teaching English as a second language, or teaching English to speakers of other languages. A bachelor's degree in education, English, linguistics, applied linguistics, any foreign language, composition, bilingual/bicultural studies, reading, or speech; and a certificate in teaching English as a second language, which may be completed concurrently during the first year of employment as a noncredit instructor. A bachelor's degree with any of the majors specified in subparagraph 2) above; and one year of experience teaching ESL in an accredited institution; and a certificate in teaching English as a second language, which may be completed concurrently during the first two years of employment as a noncredit instructor. Possession of a full-time, clear California Designated Subjects Adult Education Teaching Credential authorizing instruction in ESL.– Title 5, section 53412	Title 5	N	53412		991	CE	E S L	ENGLISH AS A SECOND LANGUAGE
260	4930.90	Citizenship Noncredit	A bachelor's degree in any discipline, and six semester units in American history and institutions. – Title 5, section 53412	Title 5	N	53412		984	CE	CITIZN	CITIZENSHIP

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1	QTOP	QTOP Title	Minimum Qualifications	State MQ Title	Master's (Y/N)	Title 5	License	Sub Code	Subject Left	Abbrev Title	Subject Title
261	4930.90	Citizenship Noncredit	A bachelor's degree in any discipline, and six semester units in American history and institutions. – <i>Title 5, section 53412</i>	Title 5	N	53412		983	CE	ESL CIVICS	ESL CIVICS
262	4932.00	Cooperative Education	The minimum qualifications for an instructor or coordinator of general or occupational work experience education, as defined in Title 5, Section 55252, shall be the minimum qualifications in any discipline in which work experience may be provided at the college where the instructor or coordinator is employed – <i>Title 5, section 53416</i>	Title 5	N	53416		232		COOP ED	COOPERATIVE EDUCATION
263	4999.00	Service Learning	The minimum qualifications for service as a learning assistance or learning skills coordinator or instructor, or tutoring coordinator, shall be either (a) or (b): (a) the minimum qualifications to teach any master's level discipline in which learning assistance or tutoring is provided at the college where the coordinator is employed; or (b) a master's degree in education, educational psychology, or instructional psychology, or other master's degree with emphasis in adult learning theory. <i>Title 5 Sec 53415.</i>		Y	53415		880		SERVLRN	SERVICE LEARNING
264	4999.00	Service Learning	The minimum qualifications for service as a learning assistance or learning skills coordinator or instructor, or tutoring coordinator, shall be either (a) or (b): (a) the minimum qualifications to teach any master's level discipline in which learning assistance or tutoring is provided at the college where the coordinator is employed; or (b) a master's degree in education, educational psychology, or instructional psychology, or other master's degree with emphasis in adult learning theory. <i>Title 5 Sec 53415.</i>		Y	53415		880		SERVLRN	SERVICE LEARNING (field work)
265	9000.00	All Academic Subjects	Grandfathered credential (must be applicable to community colleges) which authorizes service in all academic subjects.		Y						
266	9100.00	Administrator	Any Master's or higher degree, and one year of formal training, internship, or leadership experience reasonably related to the administrative assignment; OR credential 940 (supervisor) or 945 (chief administrative officer).		Y						
267	9178.00	Counselor	Master's in counseling, rehabilitation counseling, clinical psychology, counseling psychology, guidance counseling, educational counseling, social work, or career development.	Counseling	Y			719		PERSDEV	PERSONAL DEVELOPMENT
268	9178.00	Counselor	Master's degree in counseling, rehab counseling, clinical or counseling psychology, guidance or educational counseling, social work, career development, marriage and family therapy, or marriage, family and child counseling. Alternately, a bachelor's degree in counseling plus a Marriage and Family Therapist license per Title 5 sec 53410.1		Y						
269	9178.01	EOPS Counselor	see Title 5 sec 56264		Y						
270	9178.02	EOPS Director	see Title 5 sec 56262		Y						
271	9184.00	Nurse	Master's degree in nursing and a Calif. Public Health Nursing certificate; or Bachelor's degree in nursing, a Calif. Public Health Nursing certificate, and a Master's degree in health education, sociology, psychology, counseling, health care administration, public health, or community health		Y						
272	9190.00	CDC Director	A Bachelor's in Child Development or closely related field, be eligible for a valid California Child Development Center Permit at the Site Supervisor level, which must include 6 semester units of coursework in administration of programs plus one 2- or 3-unit Adult Supervision and Early Childhood Mentoring course and 2 years of fulltime experience in a lead teacher or director position in a licensed Early Childhood Education program.		N						
273	9795.00	CDC Teacher	A Bachelor's in Child Development or closely related field, or have a valid California Elementary Credential, be eligible for a valid California Child Development Center Permit at the Master Teacher level and have completed at least 350 days of experience in an instructional capacity in a licensed Early Childhood Education program, working at least 3 hours per day within the last 4 years. Experience may include internships, paid and/or volunteer work.		N						
274	9803.00	Disability Specialist (counselor)	see Title 5 sec 53414 (a)		Y						
275	9803.01	DSPS Instructor	see Title 5 sec 53414 (b) - (e)		Y						
276	9803.02	DSPS Director	see Title 5 sec 56048		Y						
277			% A master's degree in the subject, or a bachelor's degree in the subject and a master's degree in a reasonably related subject, can be used to qualify in lieu of the experience related qualification. See Title 5 Sec 53410, "by meeting ANY ONE of the following..(a) or (b) or (c)"								
278											
279											