



SAN DIEGO COMMUNITY COLLEGE DISTRICT

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Board of Trustees Meeting Date: 1/31/2019

The following curriculum changes are proposed for the San Diego Community College District for City College, Mesa College, Miramar College, or Continuing Education. There is no additional cost to the District.

New Programs

San Diego Continuing Education

1. Health Unit Coordinator Program, Certificate of Completion

The Health Unit Coordinator program provides students with the skills needed to perform administrative tasks using knowledge of medical terminology, healthcare procedures and the daily operations of a healthcare setting. The program prepares the student to assist in maintaining patient and unit records, electronic medical records, coordinating patient activities such as scheduling diagnostic procedures, surgeries, laboratory tests and other treatments. Health Unit Coordinators serve as the communications link between departments, physicians, nursing staff, patients and visitors. Emphasis is placed on communication skills and soft skills utilized in the health care industry. The program requires completion of the medical terminology course and health unit coordinator basics course. Upon completion of this program students are prepared to provide administrative support in health care settings such as hospitals units, clinics, public health care agencies, or nursing homes. This program prepares students for national certification by the National Association of Health Unit Coordinators (NAHUC). This program can be used as academic and career ladders to transition to higher healthcare administrative careers and higher education pathways.

Justification:

Upon completion of this program students are prepared to provide administrative support in health care settings such as hospitals units, clinics, public health care agencies, or nursing homes.

Labor Market Information (Career Education only):

Table 1: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Medical Secretaries (SOC 43-6013)	7,220	2,890	380	15.1	101

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>



San Diego City College

1. Advanced HVAC/R Mechanical Systems Installation and Repair, Certificate of Achievement

The Certificate of Achievement in Advanced HVAC/R Mechanical Systems Installation and Repair provides students with competencies fundamental for preparing for employment or advanced training in heating, ventilation, air-conditioning (HVAC/R) and appliance installation, maintenance, and repair. The pathway includes preparation for a Class C California License and various industry-recognized certifications pertaining to the HVAC/R industry.

Justification:

To create a new Certificate of Achievement that identifies the focus in mechanical systems installation and repair and is aligned with California Career Technical Education Model Curriculum Standards for building and construction trades as related to HVAC/R. Award is advisory board approved.

Labor Market Information (Career Education only):

Table 2: Occupational Projection of Employment 2014 – 2024 in San Diego County

Table with 5 columns: Occupation, Employment (Estimated, Projected), Employment Change (Number, Percent), and Annual Avg Openings. Rows include Plumbers, Pipefitters, and Steamfitters (SOC 47-2152) and Heating/Air Conditioning and Refrigeration Workers (SOC 49-9021).

Source: http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?

2. Amazon Web Services (AWS) Cloud Technician I, Certificate of Performance

Amazon Web Services (AWS) is a comprehensive, evolving cloud computing platform provided by Amazon. It provides a mix of infrastructure as a service (IaaS), platform as a service (PaaS) and packaged software as a service (SaaS) offerings. Students explore AWS Cloud best practices and design patterns to help architect optimal IT solutions on AWS. Students also examine case studies that show how AWS customers have designed their infrastructures and the strategies and services they implemented. Utilizing strategies examined, students build and explore a variety of infrastructures through a guided, hands-on activity. Upon successful completion of each course, students get access to vouchers for a free practice exam and discounted exam voucher for the AWS Certified Solutions Architect – Associate and AWS Certified Cloud Practitioner exam.

Justification:

The shortage of AWS Certified Solutions Architect - Associates continues in the U.S., driving up salaries and recruitment incentives. AWS's dominance as a public cloud platform is the catalyst driving demand for all AWS certifications to higher levels this



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year. San Diego City College joined the AWS Academy program to offer official AWS curriculum, and create a potential pipeline for employment, to students who complete the certificate and pass the corresponding AWS certification exams.

Labor Market Information (Career Education only):

Table 3: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Computer Network Architects (SOC 15-1143)	1,130	1,380	250	22.1	39
Computer Network Support Specialists (SOC 15-1152)	2,150	2,550	400	18.6	67
Computer Systems Analysts (SOC 15-1121)	5,580	7,200	1,620	29.0	234
Computer Programmers (SOC 15-1131)	3,670	3,740	70	1.9	96

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

3. Amazon Web Services (AWS) Cloud Technician II, Certificate of Achievement

Amazon Web Services (AWS) is a comprehensive, evolving cloud computing platform provided by Amazon. It provides a mix of infrastructure as a service (IaaS), platform as a service (PaaS) and packaged software as a service (SaaS) offerings. Students explore AWS Cloud best practices and design patterns to help architect optimal IT solutions on AWS. Students also examine case studies that show how AWS customers have designed their infrastructures and the strategies and services they implemented. Utilizing strategies examined, students build and explore a variety of infrastructures through a guided, hands-on activity. Upon successful completion of each course, students get access to vouchers for a free practice exam and discounted exam voucher for the AWS Certified Solutions Architect – Associate and AWS Certified Cloud Practitioner exam.

Justification:

The shortage of AWS Certified Solutions Architect - Associates continues in the U.S., driving up salaries and recruitment incentives. AWS's dominance as a public cloud platform is the catalyst driving demand for all AWS certifications to higher levels this year. San Diego City College joined the AWS Academy program to offer official AWS curriculum, and create a potential pipeline for employment, to students who complete the certificate and pass the corresponding AWS certification exams.

Labor Market Information (Career Education only):

Table 4: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Computer Network Architects (SOC 15-1143)	1,130	1,380	250	22.1	39



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Computer Network Support Specialists (SOC 15-1152)	2,150	2,550	400	18.6	67
Network and Computer Systems Administrators (SOC 15-1142)	3,570	4,170	600	16.8	106
Computer Systems Analysts (SOC 15-1121)	5,580	7,200	1,620	29.0	234
Computer Programmers (SOC 15-1131)	3,670	3,740	70	1.9	96
Computer Operators (SOC 43-9011)	460	400	-60	-13.0	3
Computer User Support Specialists (SOC 15-1151)	5,680	6,920	1,240	21.8	197
Software Developers, Applications (SOC 15-1132)	9,730	12,240	2,510	25.8	390
Software Developers, Systems Software (SOC 15-1133)	7,530	9,160	1,630	21.6	271
Web Developers (SOC 15-1134)	2,120	2,920	800	37.7	107

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

4. Basic HVAC/R Mechanical Systems Installation, Certificate of Achievement

The Certificate of Achievement in Basic HVAC/R Mechanical Systems Installation provides students with competencies fundamental for preparing for employment or advanced training in heating, ventilation, air-conditioning (HVAC/R) and appliance installation and maintenance. The pathway includes preparation for a Class C California License and various industry-recognized certifications pertaining to the HVAC/R industry.

Justification:

To create a new Certificate of Achievement that identifies the focus in basic mechanical systems installation and is aligned with California Career Technical Education Model Curriculum Standards for building and construction trades as related to HVAC/R. Award is advisory board approved.

Labor Market Information (Career Education only):

Table 5: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Plumbers, Pipefitters, and Steamfitters (SOC 47-2152)	4,260	5,590	1,330	31.2	190
Heating/Air Conditioning and Refrigeration Workers (SOC 49-9021)	1,910	2,580	670	35.1	96

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

5. Black and White Photography, Certificate of Performance

The Black and White Photography Certificate of Performance prepares students for entry-level employment or self-employment as a fine art photographer or photographer's



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assistant. Emphasis is placed on grounding students in the fundamentals of traditional analog black and white photography, including camera handling and composition, darkroom film and print processing techniques, archival print finishing, and aesthetic and conceptual thinking, culminating in a polished fine art black and white portfolio that can be used to obtain employment as a fine art photography assistant, and/or freelance fine art photographer. Students develop a comprehensive portfolio to showcase the technical and creative aspects of their work.

Justification:

This certificate will reward the students for achieving their current level of proficiency while allowing them to work in the field as they continue on in the photography program.

Labor Market Information (Career Education only):

Table 6: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Photographers (SOC 27-4021)	1,430	1,690	260	18.2	61

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

6. Business Operations—Cannabis Dispensary, Certificate of Performance

The Certificate of Performance in Business Operations-Cannabis Dispensary is designed for students interested in the fundamental practices of managing a cannabis dispensary. Emphasis is placed on the specific operational skills needed for this industry, including management, legal compliance, accounting, and security.

Justification:

The industry advisory board requested a business operations certificate for those looking into the basic practices of managing a cannabis dispensary.

Labor Market Information (Career Education only):

Table 7: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Pharmacy Aides (SOC 31-9095)	1,100	1,190	80	7.2	32
Customer Service Representatives (SOC 43-4051)	18,210	21,440	3,230	17.7	772

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>



7. Certified Public Accountant (CPA) Preparatory Program, Certificate of Achievement

The Certificate of Achievement in Certified Public Accountant (CPA) Preparatory Program provides an in-depth exploration of government and nonprofit accounting, ethics, tax law, and auditing. Students learn about government and nonprofit specific accounting practices as well as auditing techniques used in the accounting field. Accounting-specific ethical business practices as well as federal tax law are discussed. Emphasis is placed on careers in the accounting field and preparation for students interested in earning the California Certified Public Accountant License.

Justification:

To create a Certificate of Achievement in CPA Prep for students wishing to take the CPA exam and meet several education requirements to sit for the exam. Advisory Board approved.

Labor Market Information (Career Education only):

Table 8: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Financial Managers (SOC 11-3031)	5,960	6,880	920	15.4	233
Financial Analysts (SOC 13-2051)	2,500	3,110	610	24.4	112
Personal Financial Advisors (SOC 13-2052)	1,770	2,460	690	39	113
Financial Examiners (SOC 13-2061)	460	540	80	17.4	20
Loan Counselors (SOC 13-2071)	510	640	130	25.5	21
Credit Authorizers, Checkers, and Clerks (SOC 43-4041)	330	390	60	18.2	9

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

8. Commercial Photography, Certificate of Performance

The Commercial Photography Certificate of Performance prepares students for entry-level employment and/or self-employment in commercial photography. Emphasis is placed on grounding students in the fundamentals of digital photography, retouching, studio lighting techniques, and portraiture, culminating in a polished commercial portfolio that can be used to obtain employment as a commercial photography assistant, and/or freelance commercial photographer.

Justification:

This certificate will reward the students for achieving their current level of proficiency while allowing them to work in the field as they continue on in the photography program.



Labor Market Information (Career Education only):

Table 9: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Photographers (SOC 27-4021)	1,430	1,690	260	18.2	61

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

9. Dance, Certificate of Achievement

The Certificate of Achievement in Dance prepares the student with a solid foundation of kinesthetic training in one or more dance genres, principles of choreography, and movement education, along with the process of production and performance.

Justification:

Create a certificate of achievement in Dance to give students more certificate options in the field.

Labor Market Information (Career Education only):

Table 10: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Art, Drama, and Music Teachers, Postsecondary (SOC 25-1121)	2,390	2,790	400	16.7	82
Entertainers/Sports/Related Workers, All Other (SOC 27-2099)	190	200	10	5.3	8

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

10. Freelance Photography, Certificate of Achievement

The Certificate of Achievement in Freelance Photography provides students with strong foundational coursework, emphasizing photographic concepts and camera handling techniques needed to enter the field. Students will benefit from instructors who are working professionals in the field. Students receive hands-on experience in studio practices and current industry software to create projects for the real world. The award culminates in a professional portfolio that could be used to obtain employment. The award is primarily designed for students interested in entering the photography field and for students pursuing entry-level job opportunities related to photography.

Justification:

The emphasis of this certificate is specific and targeted coursework for students wishing to complete this program and begin working in the industry while working toward our comprehensive 42-unit certificate and/or Associate of Arts degree.



Labor Market Information (Career Education only):

Table 11: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Photographers (SOC 27-4021)	1,430	1,690	260	18.2	61

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

11. Graphic Design, Certificate of Performance

The Certificate of Performance in Graphic Design is intended for basic graphic design skill development. These skills can be utilized to expand student's current or future career options outside the graphic design field.

Justification:

Create a certificate of performance to serve incoming students who are interested in having graphic design skills to use at their job, but not pursuing a graphic design career.

Labor Market Information (Career Education only):

Table 12: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Graphic Designers (SOC 27-1024)	2,870	3,180	310	10.8	99
Web Developers (SOC 15-1134)	2,120	2,920	800	37.7	107
Multi-Media Artists and Animators (SOC 27-1014)	1,390	1,670	280	20.1	54

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

12. HVAC/R Mechanical Systems Installation and Repair, Associate of Science Degree

The Associate of Science in HVAC/R Mechanical Systems Installation and Repair provides students with competencies fundamental for preparing for employment or advanced training in heating, ventilation, air-conditioning (HVAC/R) and appliance installation, maintenance, and repair. The pathway includes preparation for a Class C California License and various industry-recognized certifications pertaining to the HVAC/R industry.

Justification:

To create a new Associate of Science that identifies the focus in mechanical systems installation and repair and is aligned with California Career Technical Education Model Curriculum Standards for building and construction trades as related to HVAC/R. Award is advisory board approved.



Labor Market Information (Career Education only):

Table 13: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Plumbers, Pipefitters, and Steamfitters (SOC 47-2152)	4,260	5,590	1,330	31.2	190
Heating/Air Conditioning and Refrigeration Workers (SOC 49-9021)	1,910	2,580	670	35.1	96

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

13. Individual Sports, Certificate of Performance

The Certificate of Performance in Individual Sports is designed for students interested in entry-level individual sports instruction. Emphasis is placed on theory and practice of individual sports techniques. Students learn the principles of individual sports and techniques required for proper instruction.

Justification:

The industry advisory board requested a certificate in individual sports for those looking into the elementary practices of individual sports instruction.

Labor Market Information (Career Education only):

Table 14: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Fitness Trainers and Aerobics Instructors (SOC Code: 39-9031)	2,840	3,100	260	9.2	77

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

14. Interaction Design, Certificate of Achievement

Interaction design blends visual communication and technology to create interactive experiences on a wide variety of digital platforms. Students apply industry standard user experience strategies to the development of effective information architecture, intuitive user interfaces, and compelling interactive content. Utilizing strategies such as site mapping, wireframing, and usability testing, students develop strong digital experiences. The diverse body of work is refined into a strategic professional portfolio aimed at accomplishing each student's educational and employment goals.



Justification:

Interaction Design is a rapidly growing field driven by innovations in technology and new media. A new program in Interaction Design, with a focus on career and technical skills, will train students to fill positions in the industry that are highest in demand. The new Certificate of Achievement will augment the active Graphic Design Certificate, which focuses on design thinking as applied to more traditional media.

Labor Market Information (Career Education only):

Table 15: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Graphic Designers (SOC 27-1024)	2,870	3,180	310	10.8	99
Web Developers (SOC 15-1134)	2,120	2,920	800	37.7	107
Multi-Media Artists and Animators (SOC 27-1014)	1,390	1,670	280	20.1	54

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

15. Interaction Design, Associate of Arts Degree

Interaction design blends visual communication and technology to create interactive experiences on a wide variety of digital platforms. Students apply industry standard user experience strategies to the development of effective information architecture, intuitive user interfaces, and compelling interactive content. Utilizing strategies such as site mapping, wireframing, and usability testing, students develop strong digital experiences. The diverse body of work is refined into a strategic professional portfolio aimed at accomplishing each student’s educational and employment goals.

Justification:

Interaction Design is a rapidly growing field driven by innovations in technology and new media. A new program in Interaction Design, with a focus on career and technical skills, will train students to fill positions in the industry that are highest in demand. The new Associate of Arts will augment the active Graphic Design degree, which focuses on design thinking as applied to more traditional media.

Labor Market Information (Career Education only):

Table 16: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Graphic Designers (SOC 27-1024)	2,870	3,180	310	10.8	99
Web Developers (SOC 15-1134)	2,120	2,920	800	37.7	107
Multi-Media Artists and Animators (SOC 27-1014)	1,390	1,670	280	20.1	54

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>



16. Law, Public Policy, and Society, Associate in Arts for Transfer

The Associate in Arts in Law, Public Policy, and Society for Transfer Degree is intended for students who plan to complete a bachelor’s degree in Law, Public Policy, and Society or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor’s degree.

Justification:

To create an Associate of Arts for Transfer for students who plan to complete a bachelor’s degree in Law, Public Policy, and Society.

17. Martial Arts, Certificate of Performance

The Certificate of Performance in Martial Arts is designed for students interested in entry-level martial arts instruction. Emphasis is placed on theory and practice of martial arts techniques. Students learn the principles of martial arts and techniques required for proper instruction.

Justification:

The industry advisory board requested a certificate in martial arts for those looking into the elementary practices of martial art instruction.

Labor Market Information (Career Education only):

Table 17: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Fitness Trainers and Aerobics Instructors (SOC Code: 39-9031)	2,840	3,100	260	9.2	77

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

18. Mechanical Systems Project Development, Associate of Science Degree

The Associate of Science in Mechanical Systems Project Development provides students with provides students with competencies fundamental for preparing for employment or advanced training in heating, ventilation, air-conditioning (HVAC/R) and appliance installation, maintenance, and repair. The pathway includes preparation for a Class C California License and various industry-recognized certifications pertaining to the HVAC/R industry.

Justification:

To create a new Associate of Science that identifies the focus in mechanical systems project development and is aligned with California Career Technical Education Model Curriculum Standards for building and construction trades as related to HVAC/R. Award is advisory board approved.



Labor Market Information (Career Education only):

Table 18: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Plumbers, Pipefitters, and Steamfitters (SOC 47-2152)	4,260	5,590	1,330	31.2	190
Heating/Air Conditioning and Refrigeration Workers (SOC 49-9021)	1,910	2,580	670	35.1	96

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

19. Mechanical Systems and Solid-State Electronics Technician, Certificate of Achievement

The Certificate of Achievement in Mechanical Systems and Solid-State Electronics Technician provides students with competencies fundamental for preparing for employment or advanced training in heating, ventilation, air-conditioning (HVAC/R) and appliance installation, maintenance, and repair. The pathway includes preparation for a Class C California License and various industry-recognized certifications pertaining to the HVAC/R industry.

Justification:

To create a new Certificate of Achievement (TOP CODE 0946.00) that identifies the focus in basic mechanical systems installation and is aligned with California Career Technical Education Model Curriculum Standards for building and construction trades as related to HVAC/R. Award is advisory board approved.

Labor Market Information (Career Education only):

Table 19: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Plumbers, Pipefitters, and Steamfitters (SOC 47-2152)	4,260	5,590	1,330	31.2	190
Heating/Air Conditioning and Refrigeration Workers (SOC 49-9021)	1,910	2,580	670	35.1	96

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

20. Mechanical Systems and Solid-State Electronics Technician, Associate of Science Degree

The Associate of Science in Mechanical Systems and Solid-State Electronics Technician provides students with competencies fundamental for preparing for employment or advanced training in heating, ventilation, air-conditioning (HVAC/R) and appliance installation, maintenance, and repair. The pathway includes preparation for a Class C



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California License and various industry-recognized certifications pertaining to the HVAC/R industry.

Justification:

To create a new Associate of Science (TOP CODE 0946.00) that identifies the focus in mechanical systems and solid-state electronics and is aligned with California Career Technical Education Model Curriculum Standards for building and construction trades as related to HVAC/R. Award is advisory board approved.

Labor Market Information (Career Education only):

Table 20: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Plumbers, Pipefitters, and Steamfitters (SOC 47-2152)	4,260	5,590	1,330	31.2	190
Heating/Air Conditioning and Refrigeration Workers (SOC 49-9021)	1,910	2,580	670	35.1	96

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

21. Mechanical Systems Project Development, Certificate of Achievement

The Certificate of Achievement in Mechanical Systems Project Development provides students with provides students with competencies fundamental for preparing for employment or advanced training in heating, ventilation, air-conditioning (HVAC/R) and appliance installation, maintenance, and repair. The pathway includes preparation for a Class C California License and various industry-recognized certifications pertaining to the HVAC/R industry.

Justification:

To create a new Certificate of Achievement (TOP CODE 0946.00) that identifies the focus in basic mechanical systems installation and is aligned with California Career Technical Education Model Curriculum Standards for building and construction trades as related to HVAC/R. Award is advisory board approved.

Labor Market Information (Career Education only):

Table 21: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Plumbers, Pipefitters, and Steamfitters (SOC 47-2152)	4,260	5,590	1,330	31.2	190
Heating/Air Conditioning and Refrigeration Workers (SOC 49-9021)	1,910	2,580	670	35.1	96

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>



22. Public Administration, Certificate of Achievement

The Certificate of Achievement in Public Administration is designed to provide students with a broad understanding of the Public Administration field and to prepare them for transfer to baccalaureate-level Public Administration programs. Emphasis is placed on administrative theory and practice at the local, state, and national levels, including governmental institutions and structures, public decision-making processes, organizational behavior, the effectiveness of criminal justice policies, urban policy, and land use considerations. Coursework encourages students to conduct research and critically analyze data while developing real-world management and leadership skills.

Justification:

To create a Certificate of Achievement to compliment the AA-T in Law, Public Policy, and Society. This certificate includes the preparation for major course sequence required for SDSU's BA in Public Administration for which the AA-T in Law, Public Policy, and Society has been deemed similar. By completing both the AA-T and this Certificate, students may obtain preferred admission to SDSU and complete all major requirements.

23. Team Sports, Certificate of Performance

The Certificate of Performance in Team Sports is designed for students interested in entry-level team sports instruction. Emphasis is placed on theory and practice of team sports techniques. Students learn the principles of team sports and techniques required for proper instruction.

Justification:

The industry advisory board requested a certificate in team sports for those looking into the elementary practices of team sports instruction.

Labor Market Information (Career Education only):

Table 22: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Fitness Trainers and Aerobics Instructors (SOC Code: 39-9031)	2,840	3,100	260	9.2	77

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

24. Technical Theatre, Certificate of Achievement

The Certificate of Achievement in Technical Theatre provides additional preparation for theatre majors to find entry-level work in all aspects of technical theatre. The award provides students with additional support when they transfer to four-year institutions where technical theatre is emphasized.



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Justification:

Create a Certificate of Achievement in Technical Theatre to replace the deactivated Certificate of Performance.

Labor Market Information (Career Education only):

Table 23: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Set and Exhibit Designers (SOC 27-1027)	180	240	60	33.3	11
Sound Engineering Technicians (SOC27-4014)	220	250	30	13.6	7
Audio and Video Equipment Technicians (SOC 27-4011)	750	920	170	22.7	31

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

25. Yoga, Certificate of Performance

This certificate of performance in yoga is designed for students who have an interest in deepening their yoga practice or are preparing to attend a yoga teacher training program. Emphasis is placed on the background theory and practice of yoga techniques that lay the foundation of any training program. Students learn the principles of yoga and begin to explore techniques for proper instruction.

Justification:

To create a certificate in yoga for those looking into the elementary practices of yoga instruction. This was a requested certificate from the industry advisory board.

Labor Market Information (Career Education only):

Table 24: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Fitness Trainers and Aerobics Instructors (SOC Code: 39-9031)	2,840	3,100	260	9.2	77

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

San Diego Mesa College

1. Computer Science, Associate in Science for Transfer Degree

The Associate in Science for Transfer in Computer Science is intended for students who plan to complete a bachelor’s degree in Computer Science or a related major in the California State University (CSU) system. It is accepted by some, but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a



bachelor’s degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree

Justification:

To be in compliance with the Student Transfer Achievement Reform Act (SB 1440, now codified in California Education Code sections 66746-66749).

San Diego Miramar College

1. Computer Science, Associate in Science for Transfer Degree

The Associate in Science for Transfer in Computer Science is intended for students who plan to complete a bachelor's degree in Computer Science or a related major in the California State University (CSU) system. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

Justification:

This new Associate Degree for Transfer award enables Miramar students to have priority admission to the Computer Science major at SDSU and other CSU campuses.

2. Independent Business Ownership, Certificate of Performance

The Certificate of Performance in Independent Business Ownership provides students the basic knowledge and skills needed to plan, start, and manage a new business in various occupations.

Justification:

This new certificate is to assist students in other CTE programs to start their own small business.

Labor Market Information (Career Education only):

Table 25: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Managers, All Other (SOC 11-9199)	11,380	13,620	1,790	15.1	440

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>



3. Law, Public Policy, and Society, Associate in Arts for Transfer Degree

The Associate in Arts in Law, Public Policy, and Society for Transfer Degree is intended for students who plan to complete a bachelor's degree in Public Administration or a related major in the California State University (CSU) system. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

Justification:

This is a new Associate Degree for Transfer to support transfer to Public Administration major at SDSU and other CSU campuses.

4. Legal Secretary, Certificate of Performance

This certificate prepares the student for an entry-level position as a legal secretary.

Justification:

This is a new award to prepare students for employment as legal secretaries.

Labor Market Information (Career Education only):

Table 26: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Legal Secretaries (SOC 43-6012)	2,790	2,850	60	2.2	35

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

5. Public Safety Management, Certificate of Achievement

This certificate prepares students for initial employment in a variety of civilian clerical and supervisory positions within public safety agencies. Students develop a basic understanding of the role, mission, and processes of local, state, and federal law enforcement agencies through a set of public safety-related courses. Students also develop knowledge and skills in communication, human relations, organizational management, and basic office productivity software.

Justification:

This is a new award at Miramar to prepare students for initial employment in a variety of civilian clerical and supervisory positions within public safety agencies.



Labor Market Information (Career Education only):

Table 27: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Administrative Services Managers (SOC 11-3011)	3,550	4,120	570	16.1	123
Social and Community Service Managers (SOC 11-9151)	1,250	1,460	210	16.8	55

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

6. Public Safety Management, Associate of Science Degree

This degree prepares students for initial employment in a variety of civilian clerical and supervisory positions within public safety agencies. Students develop a basic understanding of the role, mission, and processes of local, state, and federal law enforcement agencies through a set of public safety-related courses. Students also develop knowledge and skills in communication, human relations, organizational management, and basic office productivity software.

Justification:

This is a new award at Miramar to prepare students for initial employment in a variety of civilian clerical and supervisory positions within public safety agencies.

Labor Market Information (Career Education only):

Table 28: Occupational Projection of Employment 2014 – 2024 in San Diego County

Occupation	Employment		Employment Change		Annual Avg Openings
	Estimated	Projected	Number	Percent	
Administrative Services Managers (SOC 11-3011)	3,550	4,120	570	16.1	123
Social and Community Service Managers (SOC 11-9151)	1,250	1,460	210	16.8	55

Source: <http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSSelection.asp?>

Program Deactivations

San Diego City College

1. Administrative Assistant, Certificate of Achievement

Justification: This program is no longer offered due to low enrollment.

2. Administrative Office Management, Certificate of Achievement

Justification: This program is no longer offered due to low enrollment.



- 3. Air Conditioning and Solar Energy, Certificate of Performance**
Justification: This program is no longer offered. Solar focus is scheduled to move to another program.
- 4. Computer Literacy, Certificate of Performance**
Justification: This program is no longer offered due to low enrollment.
- 5. Computer Technical Illustration, Certificate of Achievement**
Justification: Few students completed this certificate and there is no contract instructor.
- 6. Computer Technical Illustration, Certificate of Performance**
Justification: Few students completed this certificate and there is no contract instructor.
- 7. Computer Technical Illustration, Associate of Science Degree**
Justification: Few students completed this certificate and there is no contract instructor.
- 8. Digital Media Production, Certificate of Achievement**
Justification: This program is no longer offered.
- 9. Digital Media Production, Certificate of Performance**
Justification: This program is no longer offered.
- 10. Future Studies, Certificate of Performance**
Justification: This program is no longer in demand.
- 11. Future Studies, Associate of Arts Degree**
Justification: This program is no longer in demand.
- 12. Heating, Air Conditioning and Solar Energy, Certificate of Achievement**
Justification: This program is no longer offered.
- 13. Office Support Basics, Certificate of Performance**
Justification: This program is no longer offered due to low enrollment.
- 14. Office Technology, Certificate of Achievement**
Justification: Department is no longer pursuing the award due to changing industry requirements. Award was not previously submitted to state chancellor's office.
- 15. Peace Studies, Certificate of Performance**
Justification: This program is no longer offered due to low enrollment.
- 16. Peace Studies, Associate of Arts Degree**
Justification: This program is no longer offered due to low enrollment.



17. Stationary Facilities Engineering and General Maintenance Technician, Certificate of Achievement

Justification: This program is no longer offered.

18. Technical Illustration Engineering, Associate of Science Degree

Justification: Few students completed this certificate and there is no contract instructor.

San Diego Mesa College

1. Applied Biotechnology, Certificate of Performance

Justification: This program is no longer offered.

2. Applied Biology Track, Associate of Science Degree

Justification: This program is no longer offered.

3. Dietary Manager, Certificate of Achievement

Justification: Program deactivation due to new guidelines and low enrollment.

4. Geographic Information Systems Technician, Certificate of Performance

Justification: This program has been replaced with a Certificate of Achievement.

5. Information Management Technology, Certificate of Achievement

Justification: This program is no longer offered.

6. Information Management Technology, Associate of Science Degree

Justification: This degree is no longer offered.

7. Microcomputer Applications, Associate of Science Degree

Justification: This program is no longer offered.

San Diego Miramar College

1. Real Estate Salesperson, Certificate of Performance

Justification: This award was never submitted to the CCCCO for approval and is no longer intended to be offered.

2. Real Estate Broker, Certificate of Achievement

Justification: This award was never submitted to the CCCCO for approval and is no longer intended to be offered.

3. Real Estate, Associate of Science Degree

Justification: This award was never submitted to the CCCCO for approval and is no longer intended to be offered.



Program Reactivations

San Diego Mesa College

1. Coding Specialist, Certificate of Achievement

Justification: Program approved several years ago but never activated. Deactivated due to new BS program in HIMS. Program and Advisory Committee has determined that program should be included now.

Program Revisions

San Diego Continuing Education

1. Medical Office Assistant Program, Certificate of Completion

Changes

- i. Remove OFSY 551

San Diego City College

1. Agriculture Plant Science, Associate in Science for Transfer Degree

Changes

- i. Remove BIOL 200 from Courses Required for the Major

2. Anthropology, Associate of Arts Degree

Changes

- i. Remove PSYC 258 and MATH 119 from Courses Required for the Major
- ii. Remove ANTH 215 and ANTH 290 from Restricted Electives
- iii. Add ANTH 104, ANTH 110, ANTH 115, ANTH 120, ANTH 130, ANTH 140, ANTH 210 and ANTH 215 to Restricted Electives

3. Anthropology, Associate in Arts for Transfer

Changes

- i. Add ANTH 104, GISG 104 and PSYC to Courses Required for the Major
- ii. Remove ANTH 104, ANTH 115, ANTH 120, ANTH 210, ANTH 215, BIOL 230, COMS 180, ENGL 202, GEOG 101, GEOG 102, GEOG 154, GEOL 100, GEOL 101, HIST 115A, HIST 120, HUMA 106, MATH 119, MUSI 109, PSYC 135, PSYC 258, SOCO 101, SOCO 110 AND SOCO 125 from Restricted Electives



4. Audio Production, Certificate of Achievement

Changes

- i. Remove RTVF 107 and DMPR 152 from Courses Required for the Major
- ii. Add MUSC 152 and MUSI 204 to Courses Required for the Major

5. Communications Technician Apprenticeship, Certificate of Achievement

Changes

- i. Remove ELDT 224, ELDT 224L, ELDT230 and ELDT230L from Courses Required for the Major
- ii. Add ELDT 225, ELDT 225L, ELDT 232 and ELDT 232L to Courses Required for the Major

6. Communications Technician Apprenticeship, Associate of Science Degree

Changes

- i. Remove ELDT 224, ELDT 224L, ELDT230 and ELDT230L from Courses Required for the Major
- ii. Add ELDT 225, ELDT 225L, ELDT 232 and ELDT 232L to Courses Required for the Major

7. Dance, Associate of Arts Degree

Changes

- i. Remove DANC 127, DANC 178A, DANC 178B, DANC 179A, DANC 179B, DRAM 241A, DRAM 241B, DRAM 242A, DRAM 242B from Restricted Electives
- ii. Add DANC 127, DANC 178A, DANC 178B, DANC 179A, DANC 179B, DANC 180A and DANC 180B to Restricted Electives

8. Digital Music Technology, Associate of Science Degree

Changes

- i. Remove RTVF 107 and DMPR 152 from Courses Required for the Major
- ii. Add MUSC 152 and MUSI 204 to Courses Required for the Major

9. Electronics Communication Systems, Certificate of Achievement

Changes

- i. Remove ELDT 227, ELDT 227L, ELDT 228, ELDT 228L, ELDT 229 and ELDT 229L from Restricted Electives
- ii. Add ELDT 227, ELDT 227L, ELDT 228, ELDT 228L, ELDT 229 and ELDT 229L to Courses Required for the Major



10. Electronics Communication Systems, Associate of Science Degree

Changes

- i. Remove ELDT 230, ELDT 230L, ELDT 231, ELDT 198, ELDT 270 and ELDT 290 from Restricted Electives

11. Electronics Manufacturing, Certificate of Achievement

Changes

- i. Remove ENGN 128, ENGN 130, MFET 101A, MFET 101B, MFET 101C, MFET 105A, MFET 105B, MFET 150A, MFET 150B, MFET 220 and MFET 225 from Courses Required for the Major
- ii. Add ELDT 123, ELDT 123L to Courses Required for the Major
- iii. Add MFET 220 to Restricted Electives

12. Electronic Microprocessor/Microcontroller, Certificate of Achievement

Changes

- i. Remove ELDT 224, ELDT 224L, ELDT 230, ELDT 230L, ELDT 231 from Restricted Electives
- ii. Add ELDT 225, ELDT 225L, ELDT 232 AND ELDT 232L to Courses Required for the Major

13. Electronic Microprocessor/Microcontroller, Associate of Science Degree

Changes

- i. Remove ELDT 224, ELDT 224L, ELDT 230, ELDT 230L, ELDT 231 Add ELDT 123, ELDT 123L from Courses Required for the Major
- ii. Remove ELDT 198, ELDT 270 and ELDT 290 from Restricted Electives
- iii. Add ELDT 225, ELDT 225L, ELDT 232 and ELDT 232L to Courses Required for the Major

14. Fabrication Manufacturing, Associate of Achievement

Changes

- i. Remove MFET 101A, MFET 101B, MFET 101C, MFET 105A, MFET 150B MFET 150A, MFET 150B and ENGN 130 from Courses Required for the Major
- ii. Add MFET 220 to Restricted Electives

15. Liberal Arts and Sciences: Language Arts and Humanities, Associate of Arts Degree

Changes

- i. Remove CBTE 162 from Courses Required for the Major
- ii. Add PSYC 283 to Courses Required for the Major



16. Liberal Arts and Sciences: Scientific Studies Biological Science Specialization, Associate of Arts Degree

Changes

- i. Remove BIOL 200 from Courses Required for the Major

17. Liberal Arts and Sciences: Scientific Studies Mathematics and Pre-Engineering, Associate of Arts Degree

Changes

- i. Remove BIOL 200, CBTE 114, CBTE 162, CBTE 164, CBTE 180, CBTE 210, INWT 120, TEHW 101 and COMS 103 from Courses Required for the Major
- ii. Add CISC 179 to Courses Required for the Major

18. Liberal Arts and Sciences: Scientific Studies Physical and Earth Sciences Specialization, Associate of Arts Degree

Changes

- i. Remove BIOL 200 from Courses Required for the Major

19. Liberal Arts and Sciences: Social and Behavioral Sciences, Associate of Arts Degree

Changes

- i. Remove BIOL 200, FUTR 101, PEAC 102, PEAC 201 and PSYC 211 from Courses Required for the Major

20. Photography, Certificate of Achievement

Changes

- i. Remove PHOT 259 from Courses Required for the Major
- ii. Remove PHOT 126, PHOT 127, PHOT 145, PHOT 160, PHOT 237, PHOT 255, PHOT 258 and ARTF 155A from Restricted Electives
- iii. Add PHOT 181 and PHOT 259A to Courses Required for the Major

21. Photography, Associate of Arts Degree

Changes

- i. Remove PHOT 259 from Courses Required for the Major
- ii. Remove PHOT 126, PHOT 127, PHOT 145, PHOT 160, PHOT 237, PHOT 255, PHOT 258 and ARTF 155A from Restricted Electives
- iii. Add PHOT 181 and PHOT 259A to Courses Required for the Major

22. Special Effects (FX) Makeup, Certificate of Achievement

Changes

- i. Remove DRAM 145B from Restricted Electives



San Diego Mesa College

1. 3D Modeling and Animation, Certificate of Achievement

Changes

- i. Remove MULT 124 from Courses Required for the Major
- ii. Remove ARTF 150A, ARTF 152, ARTF 210A and MULT 123 from Restricted Electives
- iii. Add MULT 122 to Courses Required for the Major

2. Administrative Assistant, Associate of Science Degree

Changes

- i. Remove CBTE 095, CBTE 151, CBTE 161, CBTE 205, WEBD 162, WEBD 173, ACCT 150, and BUSE 101 from Courses Required for the Major
- ii. Add CBTE 128 and CBTE 143 to Courses Required for the Major

3. Business Administration, Associate of Science Degree

Changes

- i. Add ENGL 105 to Courses Required for the Major

4. Communications Studies, Associate in Arts for Transfer Degree

Changes

- i. Remove JOUR 201 from Restricted Electives

5. Geographic Information Systems, Associate of Science Degree

Changes

- i. Remove WEBD 162, WEBD 170, CBTE 140A, CBTE 161 and CBTE 170 from Restricted Electives
- ii. Add WEBD 152 and WEBD 164 and WEBD 167 to Restricted Electives

6. Health Information Management, Bachelor of Science Degree

Changes

- i. Remove HEIT 156 from Courses Required for the Major
- ii. Add HEIT 256 to Courses Required for the Major

7. Honors Global Competencies, Certificate of Achievement

Changes

- i. Remove MUSI 105 from Restricted Electives



8. Interactive Media Production, Certificate of Achievement

Changes

- i. Remove WEBD 162 from Courses Required for the Major
- ii. Add WEBD 152 to Courses Required for the Major

9. Interior Design, Certificate of Achievement

Changes

- i. Add ARCH 115 to Restricted Electives

10. Interior Design, Associate of Science Degree

Changes

- i. Remove ARCH 126, ARCH 127, ARCH 220, ARCH 221, ARCH 226, ARTF 107, ARTF 109, ARTF 111, ARTF 150A, ARTF 151, ARTF 155A and ARTF 155B from Restricted Electives
- ii. Add ARCH 115 to Restricted Electives

11. Journalism, Certificate of Achievement

Changes

- i. Remove JOUR 205 and 215A from Restricted Electives
- ii. Add JOUR 220 to Restricted Electives

12. Journalism, Associate of Arts Degree

Changes

- i. Remove JOUR 205 and 215A from Restricted Electives
- ii. Add JOUR 220 to Restricted Electives

13. Journalism, Associate in Arts for Transfer Degree

Changes

- i. Remove 215A from Courses Required for the Major
- ii. Remove JOUR 205 from Restricted Electives

14. Liberal Arts and Sciences: Art Studies-Music, Associate of Arts Degree

Changes

- i. Remove MUSI 105, MUSI 123, MUSI 210A, MUSI 250A and MUSI 252 from Restricted Electives
- ii. Add MUSI 123A, MUSI 211A, MUSI 252A to Restricted Electives



15. Liberal Arts and Sciences: Social and Behavioral Sciences-Anthropology, Associate of Arts Degree

Changes

- i. Remove CBTE 140A, CBTE 161 and WEBD 162 from Restricted Electives
- ii. Add WEBD 152 to Restricted Electives

16. Liberal Arts and Sciences: Social and Behavioral Sciences-Economics, Associate of Arts Degree

Changes

- i. Remove CBTE 140A and CBTE 161 from Restricted Electives

17. Liberal Arts and Sciences: Social and Behavioral Sciences-Sociology, Associate of Arts Degree

Changes

- i. Remove CBTE 140A, CBTE 161 and CBTE 162 from Restricted Electives
- ii. Add WEBD 152 to Restricted Electives

18. Music Composition, Certificate of Performance

Changes

- i. Remove MUSI 123 from Courses Required for the Major
- ii. Remove MUSI 213A and MUSI 213B from Restricted Electives
- iii. Add MUSI 123A to Courses Required for the Major

19. Music Studies, Associate of Arts Degree

Changes

- i. Remove MUSI 105, MUSI 123, MUSI 137, MUSI 210a, MUSI 210B, MUSI 210C, MUSI 210D, MUSI 213A and MUSI 213B, MUSI 216, MUSI 250A, MUSI 250B, MUSI 250C, MUSI 250D and MUSI 252 from Restricted Electives
- ii. Add MUSI 123A, MUSI 216A, MUSI 211A, MUSI 211B, MUSI 211C, MUSI 211D, MUSI 252A, MUSI 252B, MUSI 252C, MUSI 252D, to Restricted Electives

20. Music Technology, Certificate of Performance

Changes

- i. Remove MUSI 123 from the Courses Required for the Major
- ii. Add MUSI 123A to the Courses Required for the Major
- iii. Remove MUSI 216 from the Restricted Electives
- iv. Add MUSI 216A to the Restricted Electives



21. Music Theory, Certificate of Performance

Changes

- i. Remove MUSI 123 from the Courses Required for the Major
- ii. Add MUSI 123A to the Courses Required for the Major
- iii. Remove MUSI 216 from the Restricted Electives
- iv. Add MUSI 216A to the Restricted Electives

22. Nutrition and Dietetics, Associate in Science for Transfer Degree

Changes

- i. Remove CHEM 161 and WEBD 165 from Restricted Electives

23. Radiologic Technology, Certificate of Achievement

Changes

- i. Remove RADT 150, RADT 254A, RADT 254B, RADT 254C, RADT 255A, RADT 255B, RADT 255C from Courses Required for the Major
- ii. Add RADT 256A, RADT 256B, RADT 256C, RADT 257A, RADT 257B, RADT 257C to Courses Required for the Major
- iii. Add RADT 257D to Restricted Electives

24. Radiologic Technology, Associate of Science Degree

Changes

- i. Remove RADT 150, RADT 254A, RADT 254B, RADT 254C, RADT 255A, RADT 255B, RADT 255C from Courses Required for the Major
- ii. Add RADT 256A, RADT 256B, RADT 256C, RADT 257A, RADT 257B, RADT 257C to Courses Required for the Major
- iii. Add RADT 257D to Restricted Electives

25. Visual Communication, Associate of Science Degree

Changes

- i. Remove MULT 112, MULT 130 and MULT 137 from Courses Required for the Major
- ii. Add MULT 122, MULT 123 and MULT 124 to Courses Required for the Major

26. Web Design, Certificate of Achievement

Changes

- i. Remove WEBD 162 and CBTE 177 from Courses Required for the Major
- ii. Add WEBD 152, WEBD 164 and WEBD 167 to Courses Required for the Major



27. Web Design, Associate of Science Degree

Changes

- i. Remove WEBD 153, WEBD 162, WEBD 170 and WEBD 177 from Courses Required for the Major
- ii. Add WEBD 152, WEBD 164, WEBD 167 and WEBD 171 to Courses Required for the Major

San Diego Miramar College

1. Business Management, Certificate of Achievement

Changes

- i. Add CBTE 210 and CISC 181 to Restricted Electives

2. Business Management, Associate of Science Degree

Changes

- i. Add CBTE 210 and CISC 181 to Restricted Electives

3. Entrepreneurship, Certificate of Achievement

Changes

- i. Add BUSE 129 to Courses Required for the Major
- ii. Add ARTF 150B, AUTO 051T, AUTO 053, AUTO 056, AUTO 056T, AVIA 101, AVIA 105, AVIM 101G, BUSE 155, BUSE 157, CHIL 101, DIES 100, DIES 105, EXSC 242B, EXSC 292, GRFX 160, GRFX 170, MUSI 190 and REAL 101 to Restricted Electives

4. Entrepreneurship, Associate of Science Degree

Changes

- i. Add BUSE 129 to Courses Required for the Major
- ii. Add ARTF 150B, AUTO 051T, AUTO 053, AUTO 056, AUTO 056T, AVIA 101, AVIA 105, AVIM 101G, BUSE 155, BUSE 157, CHIL 101, DIES 100, DIES 105, EXSC 242B, EXSC 292, GRFX 160, GRFX 170, MUSI 190 and REAL 101 to Restricted Electives

5. Entry Level Firefighter, Certificate of Achievement

Changes

- i. Remove FIPT 106 from Restricted Electives
- ii. Add FIPT 150D, FIPT 107, FIPT 109, FIPT 111 to Restricted Electives

6. Entry Level Firefighter, Associate of Science Degree

Changes

- i. Remove FIPT 106 from Restricted Electives
- ii. Add FIPT 150D, FIPT 107, FIPT 109, FIPT 111 to Restricted Electives



7. Family Child Care, Certificate of Performance

Changes

- i. Remove CHIL 100 from Courses Required for the Major
- ii. Remove CHIL 160, CHIL 161, CHIL 270, CHIL 291A, CHIL 291B, CHIL 291C and CHIL 291D from Restricted Electives

8. Medical Laboratory Technology, Certificate of Achievement

Changes

- i. Remove MLTT 051, MLTT 052, MLTT 053 and MLTT 054 from Courses Required for the Major
- ii. Add MLTT 061, MLTT 062, MLTT 063, MLT064 and MLTT 204 to Courses Required for the Major

9. Medical Laboratory Technology, Associate of Science Degree

Changes

- i. Remove MLTT 051, MLTT 052, MLTT 053 and MLTT 054 from Courses Required for the Major
- ii. Add MLTT 061, MLTT 062, MLTT 063, MLT064 and MLTT 204 to Courses Required for the Major

10. Music Studies, Associate of Arts Degree

Changes

- i. Remove MUSI 216 from Restricted Electives
- ii. Add MUSI 216A and MUSI 216B to Restricted Electives

11. Open Water Lifeguard, Certificate of Achievement

Changes

- i. Remove EMGM 050 and FIPT 115 from Restricted Electives
- ii. Add EMGM 050A and FIPT 322F to Restricted Electives

12. Open Water Lifeguard, Associate of Science Degree

Changes

- i. Remove EMGM 050 and FIPT 115 from Restricted Electives
- ii. Add EMGM 050A and FIPT 322F to Restricted Electives

13. Paralegal, Certificate of Achievement

Changes

- i. Remove ACCT 116A, ACCT 120, ADJU 160, CBTE 152, CBTE 180 and REAL 105 from Restricted Electives
- ii. Add ADJU 210 and CBTE 120 to Restricted Electives



SAN DIEGO COMMUNITY COLLEGE DISTRICT

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14. Paralegal, Associate of Science Degree

- i. Remove ACCT 116A, ACCT 120, ADJU 160, CBTE 152, CBTE 180 and REAL 105 from Restricted Electives
- ii. Add ADJU 210 and CBTE 120 to Restricted Electives

15. Philosophy, Associate in Arts for Transfer Degree

Changes

- i. Remove PHIL 100, PHIL 101, PHIL 102B, PHIL 205 from Courses Required for the Major
- ii. Add PHIL 100, PHIL 101, PHIL 102B, PHIL 205 to Restricted Electives

New Courses

Units

San Diego Continuing Education

- 1. 612—Medical Terminology
- 2. 613—Health Unit Coordinator Basics

San Diego City College

- | | |
|---|-----------|
| 1. ACCT 220—Uniform CPA Examination Review Course | 4 Units |
| 2. AIRE 60—Construction Safety and Health | 2 Units |
| 3. AIRE 94—HVAC/R Certification Training | 3 Units |
| 4. ARTG 163—Interaction Design III | 3 Units |
| 5. ARTG 173—Interaction Design IV | 3 Units |
| 6. BUSE 52—Introduction to Online Learning | 0.5 Units |
| 7. BUSE 145—Business of Cannabis | 2 Units |
| 8. EGEE 50—Building Science Principles | 3 Units |
| 9. EGEE 55—Air Quality Management and Systems | 3 Units |
| 10. EGEE 70—Energy Industry Principles | 3 Units |
| 11. EGEE 72—Energy Conservation Strategies | 3 Units |
| 12. ELDT 232—Advanced Computer Design and Interfacing | 4 Units |
| 13. INWT 102—Information Technology (IT) Fundamentals | 1.5 Units |
| 14. INWT 185—AWS Cloud Foundations (CF) | 1.5 Units |
| 15. INWT 186—AWS Cloud Computing Architecture (CCA) | 3 Units |
| 16. MUSC 290—Independent Study | 1-3 Units |
| 17. PHOT 259B—Photographic Portfolio II | 3 Units |

San Diego Mesa College

- | | |
|---|-----------|
| 1. CHEM 15—Workshop for Introduction to General Chemistry | 0.5 Units |
| 2. CHEM 20—Introduction to General Chemistry Refresher | 0.5 Units |



SAN DIEGO COMMUNITY COLLEGE DISTRICT

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3. MUSI 123B—Recital Hour II	0.5 Units
4. MUSI 123C—Recital Hour III	0.5 Units
5. MUSI 123D—Recital Hour IV	0.5 Units
6. MUSI 252B—Jazz Big Band II	1 Unit
7. MUSI 252C—Jazz Big Band III	1 Unit
8. MUSI 252D—Jazz Big Band IV	1 Unit
9. POLI 123—Gender and Politics	3 Units
10. POLI 124—Introduction to Political Theory: Power and Justice	3 Units
11. RADT 257D—Directed Clinical Practice Computed Tomography	6 Units

San Diego City College and San Diego Mesa College

1. DRAM 244A—Theatre Workshop I	1-2 Units
2. DRAM 244B—Theatre Workshop II	1-2 Units
3. DRAM 244C—Theatre Workshop III	1-2 Units
4. DRAM 244D—Theater Workshop IV	1-2 Units
5. EXSC 179A—Pickleball I	0.5-1 Units
6. EXSC 179B—Pickleball II	0.5-2 Units
7. EXSC 179C—Pickleball III	0.5-1 Units
8. EXSC 179D—Pickleball IV	0.5-1 Units
9. EXSC 183A—Beach Volleyball I	0.5-1 Units
10. EXSC 183B—Beach Volleyball II	0.5-1 Units
11. EXSC 183C—Beach Volleyball III	0.5-1 Units
12. EXSC 183D—Beach Volleyball IV	0.5-1 Units

Course Deactivations

Justification: The following courses are no longer offered at the college(s).

San Diego Continuing Education

1. 551—Medical Terminology

San Diego City College

1. CBTE 52—Basic Computer Skills	2 Units
2. ELDT 198—Computer Applications in Electronics	3 Units
3. ELDT 230—Advanced Computer Designs	3 Units
4. ELDT 231—Advanced System Interfacing	3 Units
5. ENGL 37A—Persuasive Writing	3 Units
6. ENGL 37B—Persuasive Writing II	3 Units
7. FUTR 101—Introduction to Future Studies	3 Units



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8. FUTR 102—Creating Futures: Methods and Tools	3 Units
9. FUTR 103—Emerging Technologies	3 Units
10. FUTR 250—Field Experience in Futures Studies	1-3 Units
11. MFET 101A—Introduction to Manufacturing I	1 Unit
12. MFET 101B—Introduction to Manufacturing II	1 Unit
13. MFET 101C—Introduction to Manufacturing III	1 Unit
14. MFET 105A—Print Reading I	1.5 Units
15. MFET 105B—Print Reading II	1.5 Units
16. MFET 150A—Manufacturing Automation I	1.5 Units
17. MFET 150B—Manufacturing Automation II	1.5 Units
18. MUSI 130B—College Chorus II	1.5 Units
19. MUSI 130C—College Chorus III	1.5 Units
20. MUSI 130D—College Chorus IV	1.5 Units
21. PEAC 102—Nonviolence and Conflict Resolution	3 Units
22. PEAC 201—Environmental Sustainability, Justice and Ethics	3 Units
23. PEAC 250—Field Experience In Peace Studies	1-3 Units

San Diego Mesa College

1. CBTE 102—Keyboarding	2 Units
2. CBTE 103—Beginning Computer Keyboarding	3 Units
3. CBTE 140A—Introduction to Microsoft Excel	1 Unit
4. CBTE 161—Learning the Internet	1 Unit
5. CBTE 170—Desktop Publishing	2 Units
6. JOUR 215A—Magazine Writing and Production I	3 Units
7. MULT 125A—Beginning InDesign	3 Units
8. MULT 125B—Advanced InDesign	3 Units
9. MUSI 105—Music of Our Time	3 Units
10. MUSI 209—Electronic Music Studio Internship	1 Unit
11. MUSI 213A—Jazz Theory for Piano I	4 Units
12. MUSI 213B—Jazz Theory for Piano II	4 Units
13. MUSI 250A—Athletic Concert Band I	1 Unit
14. MUSI 250B—Athletic Concert Band II	1 Unit
15. MUSI 250C—Athletic Concert Band III	1 Unit
16. MUSI 250D—Athletic Concert Band IV	1 Unit
17. NUTR 50—Introduction to Dietetic Services in Healthcare	3 Units
18. NUTR 55—Principles of Cooking in Healthcare Food Service	2 Units
19. NUTR 60—Food Operations in Healthcare Management	4 Units
20. NUTR 92—Directed Clinical Practice	3.5 Units
21. WEBD 165—Beginning Web Design: Dreamweaver	3 Units

San Diego Miramar College

1. ADJU 265A—Corrections Officer Conversion Course	4.5 Units
2. ADJU 343A—Peace Officer's Guide to Internal Affairs	0.2 Units



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| 3. ADJU 365A—Assessment Tools Used on Adult Offender Populations | 0.3 Units |
| 4. REAL 140—Real Estate Appraisal II | 3 Units |

San Diego City College and San Diego Mesa College

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| 1. WORK 272—General Work Experience | 1-3 Units |
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Course Reactivations

Units

San Diego Miramar College

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| 1. AVIM 205—Advanced Aircraft Metal Forming and Welding Lecture | 3 Units |
| 2. AVIM 206—Advanced Aircraft Metal Forming and Welding Laboratory | 1 Unit |
| 3. CBTE 221—Legal Secretary Skills and Procedure | 3 Units |