

Los Angeles Program Recommendations Summary
December 10, 2020 Regional Consortium Business Meeting

College	No.	Program TOP Code	Program Name	Priority Sector	Certificate	Degree	COE Endorsement	Supply and Demand	Wages	Educational Attainment
Citrus College	1	050200	Income Tax II (Income Tax Preparer)	Business and Entrepreneurship	X		Endorsed: All Criteria Met	X	X	X
Citrus College	2	050200	Income Tax I (Income Tax Assistant)	Business and Entrepreneurship	X		Endorsed: All Criteria Met	X	X	X
Citrus College	3	050900	Payroll Accounting	Business and Entrepreneurship	X		Endorsed: All Criteria Met	X	X	X
Citrus College	4	061420	Real Estate Appraisal Certificate	Business and Entrepreneurship	X		Endorsed: All Criteria Met	X	X	X
East Los Angeles College	5	210500	Custody Assistant Training	Public Safety	X		Endorsed: All Criteria Met	X	X	X
Los Angeles City College	6	100600	Costume Design Level 1	Unassigned	X		Endorsed: Some Criteria Met		X	X
Los Angeles City College	7	061420	Game Art & Design Production	ICT & Digital Media	X		Endorsed: Some Criteria Met	X	X	
Los Angeles City College	8	061420	Game Art & Design Foundation	ICT & Digital Media	X		Endorsed: Some Criteria Met	X	X	
Mt. San Antonio College	9	092400	Chemical And Materials Engineering Technology	Advanced Manufacturing		X	Endorsed: All Criteria Met	X	X	X
Mt. San Antonio College	10	092400	Chemical And Materials Engineering Technology Level 1	Advanced Manufacturing	X		Endorsed: All Criteria Met	X	X	X
Mt. San Antonio College	11	092400	Chemical And Materials Engineering Technology Level 2	Advanced Manufacturing	X		Endorsed: All Criteria Met	X	X	X
Mt. San Antonio College	12	092400	Civil Engineering Technology	Advanced Manufacturing		X	Endorsed: All Criteria Met	X	X	X
Mt. San Antonio College	13	092400	Civil Engineering Technology Level 1	Advanced Manufacturing	X		Endorsed: All Criteria Met	X	X	X
Mt. San Antonio College	14	092400	Civil Engineering Technology Level 2	Advanced Manufacturing	X		Endorsed: All Criteria Met	X	X	X
Mt. San Antonio College	15	093400	Computer Networking Technology Fundamentals	Advanced Manufacturing	X		Endorsed: All Criteria Met	X	X	X

Los Angeles Program Recommendations Summary
December 10, 2020 Regional Consortium Business Meeting

Mt. San Antonio College	16	092400	Electrical Engineering Technology Level 1	Advanced Manufacturing	X		Endorsed: All Criteria Met	X	X	X
Mt. San Antonio College	17	092400	Electrical Engineering Technology Level 2	Advanced Manufacturing	X		Endorsed: All Criteria Met	X	X	X
Mt. San Antonio College	18	093400	Electronics Technology Level 1	Advanced Manufacturing	X		Endorsed: All Criteria Met	X	X	X
Mt. San Antonio College	19	094500	Mechanical Engineering Technology Level 1	Advanced Manufacturing	X		Endorsed: Some Criteria Met	X		X
Mt. San Antonio College	20	094500	Mechanical Engineering Technology Level 2	Advanced Manufacturing	X		Endorsed: Some Criteria Met	X		X
Mt. San Antonio College	21	092400	Software Engineering Technology Level 1	Advanced Manufacturing	X		Endorsed: All Criteria Met	X	X	X
Mt. San Antonio College	22	092400	Software Engineering Technology Level 2	Advanced Manufacturing	X		Endorsed: All Criteria Met	X	X	X
Pasadena City College	23	130600	Certified Baker	Health	X		Endorsed: Some Criteria Met	X		X
Pasadena City College	24	130600	Certified Culinarian	Health	X		Endorsed: Some Criteria Met	X		X

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Citrus College		
College Voting Member	Michael Wangler	Alternate	
Program TOP Code	Certificate 050200	AS	AA
Program Name	Income Tax II (Income Tax Preparer)		
Program Description	The Income Tax II Certificate will provide our students with intermediate income tax training and help to prepare the student for tax preparer position within local income tax preparation practice as well within a private and local governmental organization's accounting department. Job duties include preparing and filing federal and state income tax return for individuals and small businesses, reviewing tax returns, preparing estimated payments, and basic tax planning. This program covers topics included in Parts 2 and 3 of the IRS Enrolled Agent Exam.		
Program Type (UNITS)	8		
Number of Classes	4		
Projected Number of Completers	15		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Tax Preparers (13-2082); Tax Examiners and Collectors, and Revenue Agents (13-2081)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	Rio Hondo College: Income Tax and Payroll Certificate Mt. San Antonio College: Accounting - Tax Preparation (Skills Certificate E0433) Glendale College: Tax Preparer Certificate		
Priority Sector	Business and Entrepreneurship	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Citrus College		
College Voting Member	Michael Wangler	Alternate	
Program TOP Code	Certificate 050200	AS	AA
Program Name	Income Tax I (Income Tax Assistant)		
Program Description	The Income Tax I Certificate will provide our students with basic income tax training and help to prepare the student for tax assistant position within local income tax preparation practice as well as within a private and local governmental organization's accounting department. Job duties include assisting tax practitioners with the tax preparation and filing process, reviewing tax returns, performing basic administrative work, and ensuring filing deadlines are understood and met, and monitoring tax-related expenses.		
Program Type (UNITS)	8		
Number of Classes	4		
Projected Number of Completers	25		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Tax Preparers (13-2082); Tax Examiners and Collectors, and Revenue Agents (13-2081)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	Rio Hondo College - Income Tax and Payroll Certificate Mt. San Antonio College - Accounting - Tax Preparation (Skills Certificate E0433)		
Priority Sector	Business and Entrepreneurship	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Citrus College		
College Voting Member	Michael Wangler	Alternate	
Program TOP Code	Certificate 050200	AS	AA
Program Name	Payroll Accounting		
Program Description	The Payroll Accounting Certificate of Achievement will provide our students with basic financial accounting training as well as specialized training in payroll accounting, helping to prepare the student for clerical positions within payroll departments of employers. Payroll clerk responsibilities include payroll tax accounting & reporting, payroll accounting systems maintenance & update, and posting payroll journal entries to accounting journals/ledgers.		
Program Type (UNITS)	8		
Number of Classes	4		
Projected Number of Completers	25		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Bookkeeping, Accounting, and Auditing Clerks (43-3031); Payroll and Timekeeping Clerks (43-3051)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	Mt. San Antonio College: Accounting - Payroll (Certificate E0505) Rio Hondo College: Income Tax and Payroll Certificate Norco College: Small Business Payroll Accounting		
Priority Sector	Business and Entrepreneurship	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Citrus College		
College Voting Member	Michael Wangler	Alternate	
Program TOP Code	Certificate 051100	AS	AA
Program Name	Real Estate Appraisal Certificate		
Program Description	The Real Estate Appraisal Certificate is designed to provide students with the required competencies to enter careers in residential and commercial real estate appraisal. This program is intended to prepare students for the California real estate appraiser license exam, certified residential exam and certified general exam. Citrus College appraisal courses are approved by the California State Bureau of Real Estate Appraisers (BRE) for basic education. Upon completion of this certificate, students will have 135 hours of basic appraisal education.		
Program Type (UNITS)	8		
Number of Classes	3		
Projected Number of Completers	25		
Time to Completion	1 semester		
Top Five SOC Codes/Names			
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	Glendale College - Real Estate Appraisal Certificate Saddleback College - Real Estate Appraisal Certificate		
Priority Sector	Business and Entrepreneurship	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
 New Program Recommendations for December 10, 2020

College	East Los Angeles College		
College Voting Member	Kendra Madrid	Alternate	Erica Mayorga
Program TOP Code	Certificate 210500	AS	AA
Program Name	Custody Assistant Training		
Program Description	<p>The proposed Certificate of Achievement will enable students to secure a career pathway by offering them a standardized, State-regulated, entry-level position as a correctional officer or a jailer. In 2017, the Custody Assistant Training course was offered four times and had a combined total completion rate of 129 students. In 2018, there were four Custody Assistant Training courses that have been scheduled, two (2) ending in the Spring/Summer session, and two (2) more cohorts completed Fall 2018 semester. The number of student completions for this training for 2018 was 100+. It is projected by the local sheriff/police that this rate of 100 students will complete each year. This projection is in line with the Labor Market data demand.</p>		
Program Type (UNITS)	16		
Number of Classes	2		
Projected Number of Completers	129		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Correctional Officer and Jailers (33-3012)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	Citrus, LA Trade, and Rio Hondo in the LA Region. The Colleges with the most completion are East LA and LA Trade. Over the past 12 months, there were no other related program recommendation requests from LA/OC regional community colleges.		
Priority Sector	Public Safety	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
 New Program Recommendations for December 10, 2020

College	Los Angeles City College		
College Voting Member	Armando Rivera-Figueroa	Alternate	Daniel Wanner
	Certificate	A5	AA
Program TOP Code	100600		
Program Name	Costume Design Level 1		
Program Description	The Costume Design Level 1 program emphasizes historical costume, costume design, drawing, costume shop discipline and organization, costume storage organization, sewing, and stagecraft. All training is geared towards preparing students for the Costume Design Level 2 program and careers in costuming, costume design, and related industries.		
Program Type (UNITS)	16		
Number of Classes	8		
Projected Number of Completers	5 to 15		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Sound Engineering Technicians (27-4014); Set and Exhibit Designers (27-1027)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (some criteria met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets living wage and educational attainment		
LAOCRC Colleges w/Similar Program(s)	In the LACCD district, Pierce offers a Theater: Costume AA Degree. East LA College received approval for a new Costume Design & Technology Certificate of Achievement in 2018. Unlike the ELAC certificate, the LACC Costume Design level 1 certificate can be accomplished in 1 year. This proposed certificate is a revised version of an existing skills certificate that has been successfully offered at LACC for many years. LACC participates regularly in District Discipline Committee meetings comprised of Theater faculty from all schools in the District. The community colleges with the most completions in the region are LACC, Saddleback, and Mt. San Antonio. As such, LACC is primed to continue offering a high number of awards in costume design to students in its service area. Other colleges offer certificates in Technical Theater Technology. Those technology certificates focus on areas such as scenery, lighting, and other theater technology skills rather than costuming.		
Priority Sector		Unassigned Priority Sector	X

Los Angeles Orange County Regional Consortium - Los Angeles
 New Program Recommendations for December 10, 2020

College	Los Angeles City College		
College Voting Member	Armando Rivera-Figueroa	Alternate	Daniel Wanner
Program TOP Code	Certificate 061420	AS	AA
Program Name	Game Art & Design Production		
Program Description	<p>The Game Art & Design Production program prepares students for entry-level opportunities in the game industry and related fields by combining art, design, and technology in hands-on learning, practices and production experience to create digital media contents.</p> <p>The game industry has been steadily growing and evolving for many years. In addition to playable media for console, PC and mobile platforms, real-time interactive technology (game engines) are increasingly used to solve a variety of design and visualization problems for filmmaking, engineering, and architecture. Students will apply professional practices while learning how to create with content creation tools, design levels and game systems, as well as production planning.</p> <p>The Production Studio is the culminating experience of the Game Art & Design Program. This series of courses spans several semesters and brings together students from different disciplines who work together in small teams to develop 3D games, interactive media projects, or media contents. The Production Studio courses mirror the working environment of professional studios: people with diverse backgrounds and talents collaborating together to meet client demands and production deadlines.</p> <p>Completing of both Certificate of Achievement in Game Art & Design will give the student the core skills and experience required to learn the basic skills necessary for working with game art related tools, concepts and practices.</p> <p>Gain the skills, knowledge, and experience necessary to seek entry level employment in the video game industry and interactive media or game related program at a four-year college/university.</p> <p>Gain the skills, knowledge, and experience necessary to seek entry level employment in the video game industry and interactive media or game related program at a four-year college/university.</p> <p>Build virtual environments and worlds structured for intuitive and navigational user engagement.</p> <p>Organize, schedule, budget and manage day-to-day development of a digital game production.</p>		
Program Type (UNITS)	16		
Number of Classes	14		
Projected Number of Completers	30		
Time to Completion	2 years		
Top Five SOC Codes/Names	Computer Occupations, All Other (15-1299); Special Effects Artists and Animators (27-1014)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (some criteria met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap and living wage.		
LAO RC Colleges w/Similar Program(s)	There are currently no community colleges within the district that offer a similar program. There are four community colleges within the greater Los Angeles area (Golden West, Norco College, Moorpark College, Mt. San Antonio) and none within "commuting distance" that offer game related programs. Three are based on game programming and engineering. The game and animation program at Mt. San Antonio College is the closest match to what is proposed for LACC. Game art & design is a relatively new discipline at the college level and has been the purview of 4-year public colleges, expensive private schools, online schools or other not-for-credit workshops. Students in related programs such as animation, art, design have expressed much interest in studying game art. Los Angeles City College is perfectly situated to follow through on the college mission with location, interest, and funding to bring 21st century digital art training to a diverse student body. LACC faculty have been in communication with faculty at Norco College and East Los Angeles college to discuss the program details. Discussions included potential course offerings and general program goals for an art-based game art & design program.		
Priority Sector	ICT & Digital Media	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
 New Program Recommendations for December 10, 2020

College	Los Angeles City College		
College Voting Member	Armando Rivera-Figueroa		
Program TOP Code	Certificate	AS	AA
Program Name	Game Art & Design Foundation		
Program Description	<p>The Game Art & Design Foundation program prepares students for entry-level opportunities in the game industry and related fields by combining art, design, and technology in hands-on learning, practices and production experience to create digital media contents.</p> <p>The game industry has been steadily growing and evolving for many years. In addition to playable media for console, PC and mobile platforms, real-time interactive technology (game engines) are increasingly used to solve a variety of design and visualization problems for filmmaking, engineering, and architecture. Students will apply professional practices while learning how to create with content creation tools, design levels and game systems, as well as production planning.</p> <p>The Production Studio is the culminating experience of the Game Art & Design Program. This series of courses spans several semesters and brings together students from different disciplines who work together in small teams to develop 3D games, interactive media projects, or media contents. The Production Studio courses mirror the working environment of professional studios: people with diverse backgrounds and talents collaborating together to meet client demands and production deadlines.</p> <p>Completing of both Certificates of Achievement in Game Art & Design will give the student the core skills and experience required to learn the basic skills necessary for working with game art related tools, concepts and practices.</p> <p>Program Student Learning Outcomes:</p> <p>Gain the skills, knowledge, and experience necessary to seek entry level employment in the video game industry and interactive media or game related program at a four-year college/university.</p> <p>Apply concepts and ideas into fully realized, professional quality, interactive digital games and experiences.</p> <p>Build virtual environments and worlds structured for intuitive and navigational user engagement.</p> <p>Build virtual environments and worlds structured for intuitive and navigational user engagement.</p>		
Program Type (UNITS)	16		
Number of Classes	8		
Projected Number of Completers	30		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Computer Occupations, All Other (15-1299); Special Effects Artists and Animators (27-1014)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (some criteria met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap and living wage.		
LAOCCRC Colleges w/Similar Program(s)	There are currently no community colleges within the district that offer a similar program. There are four community colleges within the greater Los Angeles area (Golden West, Norco College, Moorpark College, Mt. San Antonio) and none within "commuting distance" that offer game related programs. Three are based on game programming and engineering. The game and animation program at Mt. San Antonio College is the closet match to what is proposed for LACC. Game art & design is a relatively new discipline at the college level and has been the purview of 4-year public colleges, expensive private schools, online schools or other not-for-credit workshops. Students in related programs such as animation, art, design have expressed much interest in studying game art. Los Angeles City College is perfectly situated to follow through on the college mission with location, interest, and funding to bring 21st century digital art training to a diverse student body. LACC faculty have been in communication with faculty at Norco College and East Los Angeles college to discuss the program details. Discussions included potential course offerings and general program goals for an art-based game art & design program.		
Priority Sector	ICT & Digital Media	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate	AS	AA
		92400	
Program Name		Chemical And Materials Engineering Technology	
Program Description		The Chemical and Materials Engineering Technology degree program concentrates on the application of chemistry in an industrial setting through the study of design principles, contextualized problem-solving, engineering materials, applied mechanics and industry standard tools. This A.S. degree will prepare students for multiple technologist positions, including engineering technician,, test technician quality control technician, lab technician, and process analyst.	
Program Type (UNITS)		36 to 40	
Number of Classes		9	
Projected Number of Completers		24	
Time to Completion		3 semesters	
Top Five SOC Codes/Names		Civil Engineering Technicians (17-3022); Industrial Engineering Technicians (17-3026); Surveying and Mapping Technicians (17-3031)	
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)		Endorsed (All Criteria Met)	
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)		Meets demand/supply gap, living wage, and education attainment.	
LAOCRC Colleges w/Similar Program(s)		The authors are not aware of similar programs at other colleges in the Service Area	
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate	AS	AA
	092400		
Program Name	Chemical and Materials Engineering Technology Level 1		
Program Description	The Chemical and Materials Engineering Technology degree program concentrates on the application of chemistry in an industrial setting through the study of design principles, contextualized problem-solving, engineering materials, applied mechanics and industry standard tools. Become qualified for multiple technologist positions, including engineering technician, quality control technician, lab technician, and process analyst.		
Program Type (UNITS)	16		
Number of Classes	5		
Projected Number of Completers	24		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Civil Engineering Technicians (17-3022); Industrial Engineering Technicians (17-3026); Surveying and Mapping Technicians (17-3031)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	The authors are not aware of similar programs at other colleges in the Service Area		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

**Los Angeles Orange County Regional Consortium - Los Angeles
 New Program Recommendations for December 10, 2020**

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate	AS	AA
	092400		
Program Name			
Program Description	The Chemical and Materials Engineering Technology degree program concentrates on the application of chemistry in an industrial setting through the study of design principles, contextualized problem-solving, engineering materials, applied mechanics and industry standard tools. The Level 2 certificate will prepare students for multiple technologist positions, including test technician, engineering technician, quality control technician, lab technician, and process analyst.		
Program Type (UNITS)	16		
Number of Classes	6		
Projected Number of Completers	10		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Civil Engineering Technicians (17-3022); Industrial Engineering Technicians (17-3026); Surveying and Mapping Technicians (17-3031)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	The authors are not aware of similar programs at other colleges in the Service Area		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate	AS	AA
		092400	
Program Name		Civil Engineering Technology	
Program Description		The Civil Engineering Technology Associate of Science degree program prepares the students for engineering internships working under the direction of civil engineers, surveyors, contractors and architects. The program concentrates on the planning, design and construction of infrastructures and facilities through the use of problem-based learning, project-based learning and standard industry tools and emerging technologies. Students in this program prepare to transfer to B.S. programs in Civil Engineering, Construction Engineering, and Construction Engineering Management as junior-level students.	
Program Type (UNITS)		34-42	
Number of Classes		10	
Projected Number of Completers		10	
Time to Completion		3 semesters	
Top Five SOC Codes/Names		Civil Engineering Technicians (17-3022); Industrial Engineering Technicians (17-3026); Surveying and Mapping Technicians (17-3031)	
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)		Endorsed (All Criteria Met)	
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)		Meets demand/supply gap, living wage, and education attainment.	
LAOCRC Colleges w/Similar Program(s)		Santa Ana College offers an AS degree in Civil Engineering Technology . The coursework and emphasis of the degrees are different.	
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate 092400	AS	AA
Program Name	Civil Engineering Technology Level 1		
Program Description	The Civil Engineering Technology program prepares the students for an entry-level career working as a technician under the direction of civil engineers, surveyors, contractors and architects. The program concentrates on the planning, design and construction of infrastructures and facilities through the use of problem-based learning, project-based learning and standard industry tools and emerging technologies. Students in this program become qualified for technologist positions including positions as civil engineering technicians, surveying and mapping technicians.		
Program Type (UNITS)	16		
Number of Classes	6		
Projected Number of Completers	24		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Civil Engineering Technicians (17-3022); Industrial Engineering Technicians (17-3026); Surveying and Mapping Technicians (17-3031)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	Santa Ana College offers a 30 unit Civil Engineering Technology certificate. That certificate program does not have a prerequisite certificate, and does not incorporate all of the required courses in the proposed Civil Engineering Technology Level 1 Certificate.		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate	AS	AA
	092400		
Program Name	Civil Engineering Technology Level 2		
Program Description	The Civil Engineering Technology program prepares the students for an entry-level career working as a technician under the direction of civil engineers, surveyors, contractors and architects. The program concentrates on the planning, design and construction of infrastructures and facilities through the use of problem-based learning, project-based learning and standard industry tools and emerging technologies. Students in this program become qualified for technologist positions including positions as civil engineering technicians, CAD engineers, structural technicians, field technicians, surveying and mapping technicians.		
Program Type (UNITS)	16		
Number of Classes	5		
Projected Number of Completers	24		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Civil Engineering Technicians (17-3022); Industrial Engineering Technicians (17-3026); Surveying and Mapping Technicians (17-3031)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	Santa Ana College offers a 30 unit Civil Engineering Technology certificate. That certificate program does not have a prerequisite certificate, and does not incorporate all of the required courses in the proposed Civil Engineering Technology Level 2 Certificate.		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate 093400	AS	AA
Program Name	Computer Networking Technology Fundamentals		
Program Description	This one-semester program covers the fundamentals of computer networking technology. These core courses provide the necessary skills for those seeking entry-level employment as computer service technicians without areas of specialization. General topics include personal computer servicing, troubleshooting, computer operating systems, and personal computer troubleshooting. This fundamentals certificate will prepare students with the requisite knowledge for subsequent Computer and Networking Technology certificates and degrees. The courses in the fundamentals certificate approach computer repair from a hardware-first perspective, as distinct from other programs with a software or applications emphasis. This focus reflects the department's core belief that a solid understanding of electronics reinforces the necessary knowledge and skills to troubleshoot and repair computing equipment.		
Program Type (UNITS)	8		
Number of Classes	3		
Projected Number of Completers	24		
Time to Completion	1 semester		
Top Five SOC Codes/Names	Computer User Support Specialists (15-1232); Computer Network Support Specialists (15-1231); Computer, Automated Teller, and Office Machine Repairers (49-2011)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	Unable to find any college which offers a similar program to ours. Some offer basic electronic courses, and many offer computer science or computer information systems, but none offer a hardware based computer repair certificate.		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate	AS	AA
	092400		
Program Name	Electrical Engineering Technology Level 1		
Program Description	The Electrical and Computer Engineering Essentials Certificate and degree programs concentrate on the design and operation of electronic and computer systems through the study of industry-standard diagnostic tools, contextualized problem-solving, field tests, and applied mathematics. Apply math and physics course work to learn about circuit analysis, computer programming, and communications systems through hands-on, real-world, project based learning. Qualify for multiple workforce positions in the vibrant southern California high tech economy including engineering technician and electrical technician.		
Program Type (UNITS)	16		
Number of Classes	5		
Projected Number of Completers	24		
Time to Completion	3 semesters		
Top Five SOC Codes/Names	Civil Engineering Technicians (17-3022); Industrial Engineering Technicians (17-3026); Surveying and Mapping Technicians (17-3031)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	There are no similar programs at other colleges in the Service Area.		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate 092400	AS	AA
Program Name	Electrical Engineering Technology Level 2		
Program Description	The Electrical Engineering Technology degree programs concentrate on the design and operation of electronic and computer systems through the study of industry-standard diagnostic tools, contextualized problem-solving, field tests, and applied mathematics. Apply math and physics course work to learn about circuit analysis, computer programming, and communications systems through hands-on, real-world, project based learning. Qualify for multiple workforce positions in the vibrant southern California high tech economy including engineering technician, electrical technician, and Instrument and Controls Technician.		
Program Type (UNITS)	16		
Number of Classes	5		
Projected Number of Completers	10		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Civil Engineering Technicians (17-3022); Industrial Engineering Technicians (17-3026); Surveying and Mapping Technicians (17-3031)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	There are no similar programs at other colleges in the Service Area.		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
 New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
	Certificate	AS	AA
Program TOP Code	093400		
Program Name	Electronics Technology Level 1		
Program Description	This one-semester program covers the fundamentals of Electronics Technology. General topics include direct current electronics, alternating current electronics, and digital electronics. These introductory courses provide entry-level skills for those seeking employment as electronics technicians. This Level 1 certificate will prepare students with the requisite knowledge for subsequent electronics certificates and degrees.		
Program Type (UNITS)	8		
Number of Classes	3		
Projected Number of Completers	24		
Time to Completion	2 semester		
Top Five SOC Codes/Names	Electrical and Electronics Engineering Technicians (17-3023); Electric Motor, Power Tool, and Related Repairers (49-2092); Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093); Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094); Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	Rio Hondo and Los Angeles Trade Tech are the only schools in our college service area that offer a somewhat similar certificate to the one being proposed. Both programs were contacted but we did not receive and feedback. This new degree will not cause undue competition with an existing program since it's objective is to serve current students. Rio Hondo's program consists of an Associates Degree in Electronics Technology using 32 units of Electronics Technology courses plus general education courses. This degree is dissimilar to this certificate in that this is a two semester laddered certificate meant to serve our current students better. L.A. Trade Tech's program consists of an electronics communications certificate and degree which has a different emphasis and targets a different market and outcome. This is just a restructuring of our current certificates, thus will not impact other schools.		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate	AS	AA
	094500		
Program Name	Mechanical Engineering Technology Level 1		
Program Description	<p>The Mechanical Engineering Technology degree program concentrates on the development of mechanical devices and emerging technologies through the study of design principles, contextualized problem-solving, engineering materials, applied mechanics and industry standard tools. Learn about 3-D modeling, fabrication processes, and automation through hands-on, real- world, project based learning.</p> <p>The Mechanical Engineering Technology, Level 1 certificate prepares graduates for multiple technologist positions, including engineering technician, maintenance technician, facilities manager, manufacturing technician, operations technician, lab technician, technical sales and other endeavors related to mechanical components and systems. The program emphasizes how things work, and the role technicians can play in design, development, testing, and manufacturing of mechanical devices.</p>		
Program Type (UNITS)	16		
Number of Classes	5		
Projected Number of Completers	24		
Time to Completion	2 semesters		
Top Five SOC Codes/Names	Maintenance and Repair Workers, General (49-9071); Industrial Machinery Mechanics (49-9041); Industrial Engineering Technicians (17-3026); Mechanical Engineering Technicians (17-3027)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (some criteria met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap and educational attainment.		
LAOCRC Colleges w/Similar Program(s)	The authors are not aware of similar programs at other colleges in the Service Area		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
 New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate 094500	AS	AA
Program Name	Mechanical Engineering Technology Level 2		
Program Description	<p>The Mechanical Engineering Technology degree program concentrates on the development of mechanical devices and emerging technologies through the study of design principles, contextualized problem-solving, engineering materials, applied mechanics and industry standard tools. Learn about 3-D modeling, fabrication processes, and automation through hands-on, real-world, project based learning.</p> <p>The Mechanical Engineering Technology, Level 2 certificate prepares graduates for multiple technologist positions, including engineering technician, CAD engineer, mechanical engineering technician, maintenance and repair worker and other endeavors related to mechanical components and systems. The program emphasizes how things work, how they are made, and the role technicians can play in design, development, testing, and manufacturing of mechanical devices.</p>		
Program Type (UNITS)	16		
Number of Classes	5		
Projected Number of Completers	24		
Time to Completion	3 semesters		
Top Five SOC Codes/Names	Maintenance and Repair Workers, General (49-9071); Industrial Machinery Mechanics (49-9041); Industrial Engineering Technicians (17-3026); Mechanical Engineering Technicians (17-3027)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (some criteria met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap and educational attainment.		
LAOCRC Colleges w/Similar Program(s)	The authors are not aware of similar programs at other colleges in the Service Area		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate 092400	AS	AA
Program Name	Software Engineering Technology Level 1		
Program Description	The Software Engineering Technology degree program concentrates on the design of complex computing systems through the application of computing languages, contextualized problem-solving, control systems, and applied mathematics. Learn about control systems, databases, and application design through hands-on, real -world, project based learning. Become qualified for multiple technologist positions, including software engineering technician, application developer, and technical consultant.		
Program Type (UNITS)	16		
Number of Classes	5		
Projected Number of Completers	15		
Time to Completion	3 semesters		
Top Five SOC Codes/Names	Civil Engineering Technicians (17-3022); Industrial Engineering Technicians (17-3026); Surveying and Mapping Technicians (17-3031)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	The authors are not aware of similar programs at other colleges in the Service Area		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
New Program Recommendations for December 10, 2020

College	Mt. San Antonio College		
College Voting Member	Jennifer Galbraith	Alternate	Madelyn Arballo
Program TOP Code	Certificate 092400	AS	AA
Program Name	Software Engineering Technology Level 2		
Program Description	The Software Engineering Technology degree program concentrates on the design of complex computing systems through the application of computing languages, contextualized problem-solving, control systems, and applied mathematics. Learn about control systems, databases, and application design through hands-on, real -world, project based learning. Become qualified for multiple technologist positions, including software engineering technician, test technician, laboratory technician, developer, and technical consultant.		
Program Type (UNITS)	16		
Number of Classes	5		
Projected Number of Completers	10		
Time to Completion	3 semesters		
Top Five SOC Codes/Names	Civil Engineering Technicians (17-3022); Industrial Engineering Technicians (17-3026); Surveying and Mapping Technicians (17-3031)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (All Criteria Met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap, living wage, and education attainment.		
LAOCRC Colleges w/Similar Program(s)	The authors are not aware of similar programs at other colleges in the Service Area		
Priority Sector	Advanced Manufacturing	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
 New Program Recommendations for December 10, 2020

College	Pasadena City College		
College Voting Member	Salvatrice Cummo	Alternate	Julie Kiotas
Program TOP Code	Certificate 130600	AS	AA
Program Name	Certified Baker		
Program Description	<p>The curriculum offers students valuable hands-on experience and academic rigor to ultimately seek entry and mid-level positions in the baking industry. Individuals seeking to advance and update well-rounded skills in the field will benefit from completion of this certificate. Related local and global baking career opportunities students may enter upon completion include bakers,, production bakers, pastry cooks, and decorators within the following hospitality industries: restaurants, hospitals, retail, catering, lodging, tourism, meeting, convention, and exposition; theme parks; clubs; cruise/line and airway; and service, consulting, and e-commerce businesses and companies. Students are encouraged to pass the Manager Food Safety and Sanitation Certification with a score of at least 75% upon completion of this program in order to supplement their resumes, in addition, it is required for those who intend to transfer to CSU or private universities for Bachelor degrees.</p> <p>No prerequisite skills are required for enrollment.</p> <p>This program contains required lab fees, uniform, tool kit and possible Food Safety Certification Registration and exam fees should students decide to complete the exam.</p> <p>A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.</p>		
Program Type (UNITS)	16		
Number of Classes	6		
Projected Number of Completers	N/A		
Time to Completion	2 years		
Top Five SOC Codes/Names	First-Line Supervisors of Food Preparation and Serving Workers (35-1012); Chefs and Head Cooks (35-1011); Cooks, Private Household (35-2013); Cooks, Restaurant (35-2014); Cooks, Institution and Cafeteria (35-2012); Bakers (51-3011)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (some criteria met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap and educational attainment.		
LAOCCRC Colleges w/Similar Program(s)	Distance Calculated from Pasadena City College: 1. Cerritos College - Baking and Pastry (30.5 miles) 2. Long Beach City College - Baking and Pastry (36.1 miles) 3. Los Angeles Mission College - Baking and Pastry (30 miles) 4. Los Angeles Trade Tech - Baking and Pastry (13.8 miles) 5. Mt. San Antonio College – Baking and Pastry (25.9 miles) Private (for profit) Culinary Programs: 1. Institute of Culinary Education (ICE) - Pasadena, CA (1.7 miles) - tuition \$35,000 Within the Los Angeles County Service Area Community Colleges, Los Angeles Trade Tech is the closest in proximity to PCC. While the Institute of Culinary Education (ICE) is close in proximity to Pasadena City College, the minimum tuition cost is \$35,000 for a basic Baking and Pastry degree with courses that are not transferable to the following Hospitality centered CSUs (Pomona (Hospitality Management), Northridge (Tourism, Hospitality, and Recreation Management), Long Beach (Hospitality Management), Sacramento (Recreation Administration), and San José (Hospitality, Tourism and Event Management; Chicana and Chicano Studies).		
Priority Sector	Health	Unassigned Priority Sector	

Los Angeles Orange County Regional Consortium - Los Angeles
 New Program Recommendations for December 10, 2020

College	Pasadena City College		
College Voting Member	Salvatrice Cummo	Alternate	Julie Kiotas
Program TOP Code	Certificate 130600	AS	AA
Program Name	Certified Culinarian		
Program Description	<p>The curriculum offers students valuable hands-on experience and academic rigor to ultimately seek entry and mid-level positions in the culinary industry. Individuals seeking to advance and update well-rounded skills in the field will benefit from completion of this certificate. Related local and global culinary career opportunities students may enter upon completion include Prep, Line, and Head Cooks within the following hospitality industries: restaurants, hospitals, lodging; tourism; meeting, convention, and exposition; theme parks; clubs; cruiseline and airway; and service, consulting, and e-commerce businesses and companies. Students are encouraged to pass the Manager Food Safety and Sanitation Certification with a score of at least 75% upon completion of this program in order to supplement their resumes, in addition, it is required for those who intend to transfer to CSU or private universities for Bachelor degrees.</p> <p>No prerequisite skills are required for enrollment.</p> <p>This program contains required lab fees, uniform, tool kit and possible Food Safety Certification Registration and exam fees should students decide to complete the exam.</p> <p>A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.</p>		
Program Type (UNITS)	16		
Number of Classes	6		
Projected Number of Completers	N/A		
Time to Completion	2 years		
Top Five SOC Codes/Names	First-Line Supervisors of Food Preparation and Serving Workers (35-1012); Chefs and Head Cooks (35-1011); Cooks, Private Household (35-2013); Cooks, Restaurant (35-2014); Cooks, Institution and Cafeteria (35-2012); Bakers (51-3011)		
LMI Support (Based on COE LMI brief: Endorsed, Cautiously Endorsed, Not Endorsed, More Information Needed)	Endorsed (some criteria met)		
Reasons for COE Endorsement (Demand/Supply Gap, Meets Living Wage, Educational Attainment)	Meets demand/supply gap and educational attainment.		
LAOCCRC Colleges w/Similar Program(s)	Los Angeles County Service Area Community Colleges: distance calculation from Pasadena City College (TOP Code 1306.30) 1. Cerritos College - Culinary Arts (30.5 miles) 2. Glendale College - Culinary Arts (8.3 miles) 3. Long Beach City College - Culinary Arts (36.1 miles) 4. Los Angeles Mission College - Culinary Arts (30 miles) 5. Los Angeles Trade Tech - Culinary Arts (13.8 miles) 6. Mt. San Antonio College - Culinary Arts (25.9 miles) Private (for profit) Culinary Programs: 1. Institute of Culinary Education (ICE) - Pasadena, CA (1.7 miles) - tuition \$35,000 Within the Los Angeles County Service Area Community Colleges, Glendale College is closest in proximity versus the other schools. Glendale College's Culinary Program While the Institute of Culinary Education (ICE) is close in proximity to Pasadena City College, the minimum tuition cost is \$35,000 for a basic Culinary Arts degree with courses that are not transferable to the following Hospitality centered CSUs (Pomona (Hospitality Management), Northridge (Tourism, Hospitality, and Recreation Management), Long Beach (Hospitality Management), Sacramento (Recreation Administration), and San José (Hospitality, Tourism and Event Management; Chicana and Chicano Studies).		
Priority Sector	Health	Unassigned Priority Sector	