

District Technical Review Committee Meeting Agenda

Tuesday, October 19, 2021

2:30-4:00pm

CAADO 209/Zoom

Committee Members	Guests
<input type="checkbox"/> Steven Schmidt (Chair, MUS)	<input type="checkbox"/> Lijuan Zhai (AVC Ed Services and Institutional Effectiveness, RCCD)
<input type="checkbox"/> Jeannie Kim (Co-Chair, VC Ed. Services)	<input type="checkbox"/> Bryan Nicol (Staff, RCCD)
<input type="checkbox"/> Kelly Douglass (ENG, RCC)	<input type="checkbox"/> Ellen Brown-Drinkwater (AO, RCC)
<input type="checkbox"/> Brian Johnson (MAT, NOR)	<input type="checkbox"/> Nick Franco (AO, NOR)
<input type="checkbox"/> Ann Pfeifle (HIS, MVC)	<input type="checkbox"/> Jeanne Howard (AO, MVC)
	<input type="checkbox"/> Sabina Fernandez (Staff, MVC)
	<input type="checkbox"/> Casandra Greene (Staff, RCC)
	<input type="checkbox"/> Nicole Brown (Staff, NOR)
Additional Guests:	

Zoom Information

<https://cccconfer.zoom.us/j/91680053551>

+1 669 900 6833 (US Toll)

Meeting ID: 916 8005 3551

Agenda and Minutes

1. Approval of Agenda
2. Approval of Minutes - October 5, 2021

Action Items

1. Curriculum Proposals
2. AB 361 Approval

Discussion Items

1. General Updates – Bryan Nicol
 - a. GE Catalog Update
 - b. AB 1111, Common Course Numbering
 - c. Area of Emphasis Degrees
 - d. ERP Curriculum Update
 - e. Vaccination Catalog Language Draft
2. Business Administration 2.0 ADT – Casandra Greene
3. Meta Crosslisting Demo – Bryan Nicol

Program Documentation

1. New Programs
 - a. Data Analytics
 - b. Data Science
2. Program Modifications
 - a. Crime Scene Investigation – Norco
 - b. Crime Scene Investigation - Riverside
 - c. Computer Applications

Notice is Hereby Given That Pursuant to AB 361 the Riverside Community College District Technical Review Committee will meet on October 19, 2021 via Zoom Conferencing.

The Riverside Community College District Technical Review Committee will provide to individuals with disabilities reasonable modification or accommodation including an alternate, accessible version of all meeting materials. To request an accommodation, please contact techreview@rccd.edu at least one week prior to the meeting. Requests received after this time will be honored when possible.

Members of the public wishing to comment on an agenda item or other topic within the purview of the Riverside Community College District Technical Review Committee will be given the opportunity via Zoom or may submit commentary to techreview@rccd.edu.

RCCD Plan A Update

- Courses highlighted in **Green** were on the original list and faculty have confirmed they should remain.
- Courses highlighted in **Blue** are faculty requests for additions made to the original itemized list, and faculty have submitted the GE inclusion form and minutes.
- Courses highlighted in **Yellow** are faculty requests for additions made to the original itemized list, but faculty have not submitted the GE inclusion form and/or minutes.
- Courses highlighted in **Red** are faculty requests for removals from the original itemized list.

PLAN A

RCCD General Education

A. Natural Sciences (3 units)

Any course for which the student is eligible in anatomy and physiology, Anthropology 1 or 1H, astronomy, biology, (except BIO-35), chemistry, Geography 1 or 1H, or 5/Physical Science 5, geology, microbiology, oceanography, physical science, physics and Psychology 2. Waiver for this requirement will be granted for Cosmetology 60C and Electronics 21.

Anthropology: 1, 1H

Astronomy: 1A, 1B

Biology: 1, 1H, 2, 2A, 2B, 3, 4, 5, 6, 7, 8, 9, 10, 14, 15, 16, 18, 19, 20, 21, 31A, 31B, 31C, 31D, 31E, 40, 45, 50A, 50B, 55, 60, 60H, 61, 85

Chemistry: 1A, 1AH, 1B, 1BH, 2A, 2B, 3, 10, 12A, 12B, 17

Geography: 1, 1H, 1L, 5

Geology: 1, 1B, 1L, 2, 3, 4, 5, 30A, 30B, 31, 32

Oceanography: 1, 1L

Physical Science: 1, 5

Physics: 2A, 2B, 4A, 4B, 4C, 4D, 10, 11

Psychology: 2

B. Social and Behavioral Sciences (6 units)

1. American Institutions (3 units) Ethnic Studies 2, 15, 28, 29 or History 6 or 6H, 7 or 7H, 15, 26, 28, 29, 31, 34 or Political Science 1 or 1H, 5

AND

2. Social and Behavioral Sciences (3 units)

Any course for which the student is eligible in American Sign Language 22, anthropology (except Anthropology 1 or 1H), Communications 9, 9H, 12, 13, 20, Early Childhood Education 20, economics, Ethnic Studies 14, 21, 23, 27, 44, geography (except Geography 1/1H and 5), history (except as listed in one above), human services, military science, political science (except as listed in one above), psychology (except Psychology 2), and sociology.

B1

Ethnic Studies: 2, 15, 28, 29

History: 6, 6H, 7, 7H, 14, 15, 26, 28, 29, 31, 34

Political Science: 1, 1H, 5

B2

Administration of Justice: 1, 3, 9

American Sign Language: 22

Anthropology: 1L, 2, 2H, 3, 4, 5, 6, 7, 8, 10, 16

Arabic: 11, 11H

Chemistry: 17

Chinese: 11

Communications: 6, 9, 9H, 12, 13, 20

Early Childhood Education: 20

Economics: 4, 5, 6, 7, 7H, 8, 8H, 9, 9H, 10

Ethnic Studies: 14, 21, 23, 27, 44

French: 11

Geography: 2, 3, 4, 6, 7, 8, 30A, 30B, 30C, 30D

History: 1, 2, 2H, 4, 5, 11, 12, 14, 19, 21, 22, 25, 32, 33, 35, 42, 44

Human Services: 4, 5, 6, 7, 8, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 60, 61, 62, 69, 70, 71, 72, 73, 74, 200

Italian: 11

Japanese: 11

Military Science: 1, 2

Political Science: 2, 2H, 3, 4, 4H, 6, 7A, 7B, 7C, 7D, 8, 10, 10A, 10B, 10C, 11, 12, 13, 14, 17, 20, 21, 22, 23

Psychology: 1, 1H, 8, 9, 10, 33, 35, 35H, 48, 50

Russian: 11

Sociology: 1, 1H, 2, 3, 10, 10H, 12, 15, 20, 23, 25, 48, 50

Spanish: 11, 12

C. Humanities (3 units)

Any course for which the student is eligible in American Sign Language 1, Architecture 36, Art, Communication Studies 7, 11, Dance 6, 6H, 7, 8, 9, English, Ethnic Studies 13, 18, 20, 24, 25, foreign languages, Game Development 2, History 1, 2, 2H, 4, 5, humanities, music, philosophy (except Philosophy 11 and 32), Photography 8, theater arts, and film, television and video.

Architecture: 36

Art: 6, 6H, 11, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25A, 25B, 26, 27, 28A, 28B, 30A, 30B, 34, 35A, 35B, 36A, 36B, 38, 39, 40A, 40B, 41A, 41B, 42A, 42B, 43A, 43B, 44A, 44B, 44C, 45, 46, 47, 48A, 48B, 49A, 49B, 50A, 50B, 51A, 51B, 200

Art History: 1, 1H, 2, 2H, 3, 4, 5, 6, 6H, 7, 8, 9, 10, 11, 12, 13, 14, 15

Communication Studies: 7, 11, 12

Dance: 6, 6H, 7, 8, 9

English: 1A, 1AH, 1B, 1BH, 4, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17A, 17B, 17C, 18, 20, 23, 24, 25, 30, 34, 35, 38, 38A, 38B, 38C, 39, 40, 41, 44, 45, 48, 50, 90B, 90BH

Ethnic Studies: 13, 18, 20, 24, 25

Film Studies: 1, 2, 3, 4, 5

Film, Television, and Video: 12, 38A, 38B, 41, 42, 43, 44A, 45A, 46, 48, 51A, 51B, 52, 53, 64A, 65, 66, 67, 68, 72, 74, 76, 77, 79

World Languages:

American Sign Language: 1, 2, 3, 4, 22

Arabic: 1, 2, 3, 8, 11, 11H

Chinese: 1, 2, 11

French: 1, 2, 3, 8, 11

Italian: 1, 2, 3, 11

Japanese: 1, 2, 3, 4, 11

Portuguese: 1, 2

Russian: 1, 2, 3, 11

Spanish: 1, 2, 2H, 3, 3N, 4, 8, 11, 12, 13, 51

Game Development: 2

History: 1, 2, 2H, 4, 5

Humanities: 4, 4H, 5, 5H, 8, 9, 10, 10H, 11, 16, 18, 20A, 20B, 20C, 23, 35

Music: 1, 3, 4, 5, 6, 8A, 8B, 9, 10, 11, P11, 12, P12, 19, 19H, 20, 21, 22, 23, 25, 26, P27, 28, P28, 29, 30, 31, 32A, 32B, 32C, 32D, P32A, 33, 35, 36, P36, 37, 38, 39, 40, 41, 42, 43A, 43B, 43C, 44, P44, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 65, 66, 67, 68, 69, 70, P70, 71, 72, 73, 74, 75, 76, P76, 77, P77, 78, 79, 80, 81, 82, 83, 84, P84, 85, 86, 87, 88, 89, 89H, 92, 93, 94, 95, 97, 98, 101, 200

Philosophy: 10, 10H, 12, 13, 14, 15, 19, 22, 33, 34, 35, 36

Photography: 8

Theater Arts: 2, 3, 4, 5, 6, 9, 25, 26, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 41, 44, 46, 48, 49, 54, 55, 56, 57, 58, 200

D. Language and Rationality (10 units)

1. English composition (4 units)

Courses fulfilling the written composition requirement include both expository and argumentative writing. The English composition requirement may be met by English 1A or English 1AH, with a grade of "C" or better.

2. Communication and analytical thinking (6-8 units)

Courses fulfilling this requirement include oral communication, mathematics, logic, statistics, computer languages and programming. Students must complete one course from two of the following areas

Communication Studies 1, or 1H or 9 or 9H

Computer Information Systems 1A through 30

Computer Science 1A through 30

English 1B or 1BH

Mathematics 1-36

Philosophy 11, 32

Philosophy/Math 32

Reading 4

D1:

English: 1A, 1AH

D2:

Academic Literacy and Reading: 4

Communication Studies: 1, 1H, 2, 3, 6, 9, 9H

Computer Information Systems: 1A, 5, 7, 14A, 17A, 18A, 30A, 1B, 2, 3, 4, 8, 11, 12, 14B, 17B, 17C, 18B, 18C, 20, 21, 21A, 21B, 21C, 22, 25, 26A, 26B, 26C, 26D, 26F, 27, 27A, 27B, 27C, 28A, 30B, 30C, 30D, 30E

Computer Science: 5, 7, 14A, 17A, 18A, 2, 6, 8, 11, 12, 17B, 17C, 18B, 18C, 20, 21, 21A, 25, 27, 27A, 28A

English: 1B, 1BH

Mathematics: 1A, 1B, 1C, 2, 3, 5, 10, 11, 12, 12H, 15, 23, 25, 26, 32, 35, 36, 53

Philosophy: 11, 32

Psychology: 48, 50

Sociology: 48, 50

E. Health Education and Self Development (5 units)

1. Health Education (3 units) Biology 35/HealthScience 1

NOTE: Students are exempt from the Health Education requirement when they complete the Dental Hygiene program, the EMS program, or the Registered or Vocational Nursing program.

2. Self Development (2 or 3 units)

Option 1- Kinesiology (two activities courses)

Any course with an A or V, or any Dance class with D is considered an activity class. The following classes have a laboratory component and may be counted as one of the two activity courses required.

Kinesiology 6, 29, 42, 47, Music 48, 59, 60, 61 OR

Option 2 - Fitness and Wellness (3 units)

Guidance 47, 48, Kinesiology 4, 30, 35, 36, 38, Reading 3

NOTE: Students are exempt from the Self Development requirement when they complete the Cosmetology program, the Registered or Vocational Nursing program, the Basic Peace Officer Training Academy, the Firefighter Academy, or the EMS program.

E1:

Biology: 35

Health Education: 1

E2:

Option 1:

Dance: D5, D8, D9, D10, D12, D13, D14, D15, D16, D17, D19, D20, D21, D22, D23, D25, D26, D29, D30A, D30B, D30C, D31, D31B, D32, D33, D34, D35, D37, D38, D39, D43, D44, D46, D47, D48, D49, D50, D51, D60

Kinesiology: A03, A04, A07, A11, A12, A13, A20, A21, A28, A29, A30, A31A, A31B, A31C, A40, A41, A43, A44, A46, A47, A54A, A54B, A55, A57A, A57B, A57C, A62, A64, A64A, A64B, A64C, A67, A68, A69, A71, A75A, A75B, A77A, A77B, A77C, A81, A81A, A81B, A81C, A82, A83, A86, A87, A88, A89A, A89B, A89C, A90A, A90B, A90C, V01, V02, V04, V05, V06, V07, V08, V09, V10, V11, V12, V14, V18, V19, V21, V22, V23, V24, V25, V26, V27, V33, V34, V50, V51, V52, V53, V60, V61, V70, V71, V78, V92, V94, V95

or

Kinesiology: 6, 23, 27, 28, 29, 33, 34, 42, 47

Music: 48, 49, 59, 60, 61, 66

Option 2:

Guidance: 47, 48

Kinesiology: 4, 12, 30, 35, 36, 38

Academic Literacy and Reading: 3

Disciplines Pending:

Art
Art History
Dance
Early Childhood Education

Ethnic Studies
Human Services
Photography

Received since last review:

ALR, FTV, GUI, BIO/HES, COM, CIS, CSC, KIN, POL, HIS, PSY, SOC, MIL

ARE, GAM, ECO

Technical Review - Curriculum Proposals

Proposals for 10/19/2021

Courses

Course Deletions

		M	N	R	Notes
H	CAT 3				
	Computer Applications for Business	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Holding for further clarification on if faculty intend to move forward with the deletion. Norco approval also did not appear to be present.				
H	CAT 54A				
	Introduction to Flash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Minutes are from 2011. Appears in two Moreno Valley programs: Computer Applications and Simulation and Gaming.				
H	CAT 84				
	Word Processing: WordPerfect for Windows	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	MOV has obtained minutes for program modification and will launch soon.				
H	CIS 3				
	Computer Applications for Business	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Holding for further clarification on if faculty intend to move forward with the deletion. Norco approval also did not appear to be present.				
H	CIS 84				
	Word Processing: WordPerfect for Windows	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	MOV has obtained minutes for program modification and will launch soon.				
	FTV 43				
	Television Studio and Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	FTV 46				
	Editing for Television	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	HET 80				
	Nursing Assistant Training Program (NATP)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	MDA 54				
	Clinical Medical Assisting and Pharmacology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	MUS 51				
	Men's Ensemble	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	MUS 72				
	Group Keyboarding Skills	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	MUS 88				
	Pageantry Ensemble	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	PHO 10				
	Advanced Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	PHO 13				
	Advanced Darkroom Techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	PHO 17				
	Introduction to Color Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Course Exclusions

		M	N	R	Notes
	KIN 38				
	Stress Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Course Major Modifications

		M	N	R	Notes
H	ADJ 10				
	Introduction to Security	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Kelly will work with faculty on updates.				
H	ADJ C2A				
	Adult Correctional Officer Supplemental Core Course	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Hours calculate to 4.29 units, but the units are listed as 5.				

Courses

Course Major Modifications

		M	N	R	Notes
H	BUS 20				Business Mathematics
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Minutes need verification.
	BUS 22				Management Communications
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	BUS 30				Inter-disciplinary - Entrepreneurship Overview
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	BUS 40				Introduction to Global Business
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	BUS 43				Global Marketing
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	BUS 46				Global Trade
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	BUS 48				Global Management
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	BUS 840				Introduction to Global Business
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	BUS 843				Global Marketing
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	BUS 846				Global Trade
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	BUS 848				Global Management
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	ETS 2				Introduction to Chicanx and Latinx Studies
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	FIT C30				Intermediate Incident Command System (I-300)
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	FIT C40				Advanced Incident Command System (I-400)
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	FIT COH1				Hazardous Materials Incident Commander
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H	FIT DO1A				Fire Apparatus Driver/Operator
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	For all fit courses below, holding for verification of hours and units.
H	FIT DO1B				Pumping Apparatus Driver/Operator 1B (2017)
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	FIT INS1				Instructor I
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	FIT INS2				Instructor II
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H	FIT R10				Rapid Intervention Crews and Tactics
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H	FIT R1A				Rescue Systems 1: Basic Rescue Skills
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H	FIT R2A				Confined Space Rescue, Awareness Level
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H	FIT R3				Vehicle Extrication
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H	FIT R4				Low Angle Rope Rescue Operational
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H	FIT R7				Trench Rescue Technician
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Courses

Course Major Modifications

M N R Notes

FTV 38A Beginning Film, Television and Video Production Project

FTV 44A Beginning Television Production

FTV 51A Film, Television and Video Laboratory I

FTV 51B Film, Television and Video Laboratory II

FTV 52 Film, Television and Video Laboratory

FTV 64A Beginning Digital Editing Principles and Techniques

FTV 68 Story Development Process in the Entertainment Industry

FTV 71A Beginning Sound Engineering for Audio in Media

FTV 76 Advanced Digital Audio Recording Pro Tools 201

HMS 21 Social Justice in the Criminal Justice System

HMS 41 Counseling and Resources for Survivors of Domestic Violence

HMS 42 Counseling & Resources for Families & the Child Welfare System

HMS 43 Counseling and Resources for Older Adults and Their Families

HMS 46 Intro to Resources and Counseling Individuals on Probation or Parole

HMS 48 Counseling and Case Management in Correctional Facilities

HMS 50 Introduction to African American Families and Populations

HMS 51 Introduction to Latina and Latino American Families and Populations

HMS 52 Introduction to Asian American Families and Populations

HMS 53 Introduction to Native American Families and Populations

HMS 62 Introduction to the Diagnostic and Statistical Manual of Mental Disorders

HMS 71 Grant Writing Essentials

Courses

Course Major Modifications

M N R Notes

H MAG 44 Principles of Management

For MAG courses below, did not seem to have updated content to reflect the equity based SLO. Course may need expansion. Discipline has met and discussed how to proceed. Kelly/Casandra will work with faculty to make edits to courses in progress. For some areas in content, "Types of equipment" is stated, but may want to specify the specific equipment.

H MAG 51 Elements of Supervision

H MAG 52 Employee Training & Development

H MAG 56 HRM: Human Resources Management

H MAG 60 Introduction to Hospitality Management

H MAG 62 Restaurant and Hotel Management

H MAG 70 Introduction to Organization Development

MAN 35 Computer Aided Machining

MDA 100 Medical Assisting Externship

MDA 11 Medical Documentation and Terminology

MDA 58A Medical Transcription/Health Documentation

MDA 59 Medical Office Procedures

MUS 1 Teaching Music to Young Children

MUS 23 History of Rock and Roll

MUS 26 Film Music Appreciation

MUS 30 Class Voice

MUS 31 College Choir

MUS 40 Class Percussion

MUS 43A Jazz Improvisation and Theory I

MUS 43B Jazz Improvisation and Theory II

MUS 43C Jazz Improvisation and Theory III

MUS 49 Indoor Marching Percussion

MUS 50 Master Chorale

MUS 53 Keyboard Proficiency

Courses

Course Major Modifications

M N R Notes

MUS 57	Gospel Singers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 59	Winter Marching Band Clinic	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 60	Summer Marching Band Clinic	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 61	Auxiliary Marching Units	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 66	Indoor Color Guard	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 69	Festival Choir	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 70	Guitar Lab Ensemble	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 71	College Chorus	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 74	Jazz Proficiency	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 80	Master Singers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 83	Advanced Chamber Choir	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 87	Applied Music Training	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 89	Music of Multicultural America	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 89H	Honors Music of Multicultural America	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 92	Basic Piano	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 93	The Business of Music	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 94	Community Jazz Orchestra	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 95	Community Symphony Band	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS 97	Pep Band	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS P27	Beginning String Techniques	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS P28	Symphony Strings	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS P44	Jazz Lab Band	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MUS P84	Jazz Lab Orchestra	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 12	Photojournalism and Documentary Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 14	Lighting for Photographers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 15	Wedding and Event Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 18	Photoshop, Lightroom, and Printing for Photographers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Courses

Course Major Modifications

M N R Notes

PHO 20	Introduction to Digital Photography	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 67	Business Practices for Photographers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 8	Introduction to Film Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 9	Intermediate Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Course Minor Modifications

M N R Notes

H ADJ 12	Introduction to Criminalistics No objectives. Should be relaunched as major mod.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H ADJ 19	Introduction to Policing Methods of Instruction and Methods of Evaluation could use expansion.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H ADJ 24	Interviewing & Interrogation Methods of Instruction and Methods of Evaluation could use expansion.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
H ADJ 9	Law In American Society Holding for ADJ 9H.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT 814	Business Skills: Professional Communication Basics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT 817	Business Skills: Professional Self-Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT 842	MOSPrep: Microsoft Office Excel Expert Exam Preparation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT 843	MOSPrep: Microsoft Office PowerPoint Core Exam Preparation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT 844	MOSPrep: Microsoft Office Access Core Exam Preparation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CAT 845	MOSPrep: Microsoft Office Outlook Core Exam Preparation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
H DEA 40B	Advanced Chairside Orthodontic Dental Assistant No objectives. Needs to be relaunched as major mod.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MDA 10	Medical Terminology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MDA 50	Medical Assisting Core	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MDA 54A	Clinical Medical Assisting I	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MDA 54B	Clinical Medical Assisting II	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MDA 58B	Advanced Medical Transcription	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MDA 60	Survey of Human Disease Processes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Courses

Course Minor Modifications

M N R Notes

MDA 61 Pharmacology for Medical Office Personnel

MDA 62 CPT/Coding

MDA 63 Diagnostic Coding

MDA 64 Advanced Diagnostic Coding

PDS 802 Supervisory Skills

PDS 803 Increasing Productivity

PDS 804 Motivating Yourself and Others

PDS 805 Difficult Conversations

PDS 806 The Art of Negotiating and Collaborating

PDS 807 Personality Styles and Difficult Relationships

PDS 808 Critical Thinking, Problem Solving and Decision Making

PDS 809 Business Writing in a Technological World

PDS 810 Time Management

PDS 811 High Impact Presentations and Proposals for the Work Place

PDS 812 Workplace Communication Strategies

PDS 813 Best Practices in Customer Service

PDS 814 Closing Techniques That Win the Sale

PDS 815 Winning Sales Scripts

PDS 816 Personal Finance

PDS 817 Financial Future

PDS 818 The Successful Job Search

Distance Education

M N R Notes

DEA 23DE2 Introduction to Dental Sciences

DEA 41DE2 Dental Office Management

EAR 30DE Practicum in Early Childhood Education

ETS 18DE Survey of Native American Literature

Courses

Distance Education

		M	N	R	Notes
ETS 20DE	Survey of African American Literature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ETS 24DE	Survey of Asian American Literature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ETS 25DE	Latinx Literature of the United States	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
GUI 45DE2	Introduction to College	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

New Courses

		M	N	R	Notes
H ADJ 27	Forensic & Crime Scene Photography Holding for PHO-27. No entry skill links. Objectives and SLOs are the same.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
BUS 56	Cyber Law	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
H CIS 27F	Cyber Threat Intelligence & Automated Response Course content has a's with no b's.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
H CIS 48A	Introduction to Cloud Computing Held for verification of hours against 848A.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
H CIS 70A	Foundations of Data Science Holding for crosslisted MAT-70A.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
H CIS 848A	Cloud Computing Fundamentals Holding for verification of hours against 48A.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ENP 27G	Cyberpreneurship Capstone	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
H FIT 16	Biddle Physical Ability Test Does not have methods of evaluation, sample assignments, or minutes. Only 8 hours.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT 17	Fitness and Nutrition for Public Safety Personnel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT COH2	Hazardous Materials First Responder Operational	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT DO1C	Aerial Apparatus Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT DO1D	Tillered Apparatus Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT DO1E	Wildland Fire Apparatus Driver/Operator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT DO1F	Water Tender Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT R2C	Confined Space Rescue Technician	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT S404	Safety Officer (NWCG)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
HMS 64	Introduction to Physiology and Pharmacology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
HMS 65	Supervised Practicum	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
HMS 66	Clinically Supervised Experience	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Courses

New Courses

M N R Notes

IAT 10	Industrial Automation 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MAT 70A	Foundations of Data Science	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 11	Commercial and Advertising Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 19	Color Correction and the Photographic Body of Work	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 22	Photography for Social Media	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 23	Drone Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 27	Forensic & Crime Scene Photography	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHO 7	Medium and Large Format Film Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
PSY 11	Psychology of Human Sexuality	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Programs

New Programs

M N R Notes

Certificate

H CIS	Data Analytics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Held for CIS/MAT-70A.					

Degree

H CIS	Data Science	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Held for MAT/CIS-70A.					

Program Modifications

M N R Notes

Certificate

H ADJ	Crime Scene Investigation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Holding for PHO-27					

H ADJ	Crime Scene Investigation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Holding for PHO-27.					

Degree & Certificate

CIS	Computer Applications	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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Technical Review Committee

Proposals for Review for Meeting: 10/19/2021

Courses

Course Deletions

		M	N	R	Discussion	Action
H	CAT 3 Rationale: Computer Applications for Business Revision of every component of this COR was completed as a part of the district discipline CTE 2 Year Curriculum Review Cycle (2/2020)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for further clarification on if faculty intend to move forward with the deletion. Norco approval also did not appear to be present.	
H	CAT 54A Rationale: Introduction to Flash Update to COR.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minutes are from 2011. Appears in two Moreno Valley programs: Computer Applications and Simulation and Gaming.	
H	CAT 84 Rationale: Word Processing: WordPerfect for Windows Course is being deleted from the Riverside Course inventory.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MOV has obtained minutes for program modification and will launch soon.	
H	CIS 3 Rationale: Computer Applications for Business Revision of every component of this COR was completed as a part of the district discipline CTE 2 Year Curriculum Review Cycle (beg. 12/2016)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for further clarification on if faculty intend to move forward with the deletion. Norco approval also did not appear to be present.	
H	CIS 84 Rationale: Word Processing: WordPerfect for Windows Course is being deleted from the Riverside Course inventory.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MOV has obtained minutes for program modification and will launch soon.	
	FTV 43 Rationale: Television Studio and Equipment Per October 1, 2021 email from Scott Hernandez, this class is to be deleted; it is not offered or needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	FTV 46 Rationale: Editing for Television Per notes from Scott Hernandez on October 1, 2021, this course is no longer offered and should be deleted.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	HET 80 Rationale: Nursing Assistant Training Program (NATP) Course was changed to NNA-80. HET 80 is no longer going to be offered.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	MDA 54 Rationale: Clinical Medical Assisting and Pharmacology This course has been replaced with MDA-54A and MDA-54B	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Courses

Course Deletions

		M	N	R	Discussion	Action
MUS 51	Men's Ensemble	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	No longer offered. Equivalent courses are being offered and fulfill the same requirements.					
MUS 72	Group Keyboarding Skills	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	No longer offered. Equivalent courses are being offered and fulfill the same requirements.					
MUS 88	Pageantry Ensemble	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Outdated version. Replaced by MUS 48.					
PHO 10	Advanced Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Course is outdated and will be replaced with a new and updated course.					
PHO 13	Advanced Darkroom Techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Course is outdated and will be replaced with a new and updated course.					
PHO 17	Introduction to Color Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Course is outdated and will be replaced with a new and updated course.					

Course Exclusions

		M	N	R	Discussion	Action
KIN 38	Stress Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	KIN 38 (Stress Management) is not a required class for our ADT (KIN) or our Fitness Professionals Certificate. Excluding this course from MVC does not affect our program or any degrees/certificates that we have to offer.					

Course Major Modifications

		M	N	R	Discussion	Action
H	ADJ 10	Introduction to Security	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Kelly will work with faculty on updates.
Rationale:	The course requires a major modification as it has not been reviewed or updated for a few years.					
H	ADJ C2A	Adult Correctional Officer Supplemental Core Course	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hours calculate to 4.29 units, but the units are listed as 5.
Rationale:	STC has changed the required curriculum for this course. This modification aligns the curriculum with the state mandates.					

Courses

Course Major Modifications

		M	N	R	Discussion	Action
H	BUS 20 Rationale:					Business Mathematics The desire of the Business Discipline is to add a diversity student learning outcome (SLO) that links to General Education SLO.
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Minutes need verification.
	BUS 22 Rationale:					Management Communications Adding Diversity SLO and Course Objectives to the Course.
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	BUS 30 Rationale:					Inter-disciplinary - Entrepreneurship Overview Updated name and course so it is better suited for both business and non-business majors
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	BUS 40 Rationale:					Introduction to Global Business Adding Diversity SLO and Course Objectives to the Course.
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	BUS 43 Rationale:					Global Marketing Updating SLOs
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	BUS 46 Rationale:					Global Trade This course is part of the Global Industry State Approved Certificate as well as A.S. in Business Administration Global Enterprise Concentration.
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	BUS 48 Rationale:					Global Management Updating SLOs
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	BUS 840 Rationale:					Introduction to Global Business Adding Diversity SLO and Course Objectives to the Course.
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	BUS 843 Rationale:					Global Marketing Updating SLOs
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	BUS 846 Rationale:					Global Trade Updating course to include diversity SLO
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	BUS 848 Rationale:					Global Management Updating SLOs
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ETS 2 Rationale:					Introduction to Chicanx and Latinx Studies Per AB1460, this Ethnic Studies course is designed to fulfill the CSU Area F GE Breadth graduation requirement.
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Courses

Course Major Modifications

		M	N	R	Discussion	Action
	FIT C30 Rationale: Intermediate Incident Command System (I-300) Required for career advancement for firefighters in RCCD's community. This course is essential for firefighters to learn how to manage emergency incidents safely and effectively.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	FIT C40 Rationale: Advanced Incident Command System (I-400) The target audience for this course is senior Fire department personnel who are expected to perform in a management capacity in an Area Command or Multi-Agency Coordination Entity.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	FIT COH1 Rationale: Hazardous Materials Incident Commander Course required by local Fire Departments to ensure personnel are properly trained to manage incidents within the local area within the purview of RCCD.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
H	FIT DO1A Rationale: Fire Apparatus Driver/Operator This course is essential for safe fire apparatus operation and career progression for professional firefighters.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	For all fit courses below, holding for verification of hours and units.	
H	FIT DO1B Rationale: Pumping Apparatus Driver/Operator 1B (2017) Course required for Fire Service personnel to safely operate a fire apparatus and pump water in a variety of applications. This course facilitates the need for certification and professional development of firefighters within RCCD.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	FIT INS1 Rationale: Instructor I Course is required for firefighter career progression in agencies operating within the RCCD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	FIT INS2 Rationale: Instructor II Course is required for career advancement of firefighters actively working in the RCCD.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
H	FIT R10 Rationale: Rapid Intervention Crews and Tactics Course meets train requirements needed by local Fire Service agencies to help them support the local community.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
H	FIT R1A Rationale: Rescue Systems 1: Basic Rescue Skills Course required for professional Firefighters located in agencies within RCCD's jurisdiction. Offering this course supports the community by ensuring these personnel are trained and competent to assist the local population during an emergency.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Courses

Course Major Modifications

		M	N	R	Discussion	Action
H	FIT R2A Rationale: Confined Space Rescue, Awareness Level This course is essential for students to be marketable for a career in the Fire Service. Additionally, this course meets/enhances training requirements for professional firefighters in the jurisdiction of RCCD.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
H	FIT R3 Rationale: Vehicle Extrication Course supports the training and education of professional firefighters enabling them to support the local community during an emergency situation requiring this skill-set.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
H	FIT R4 Rationale: Low Angle Rope Rescue Operational Course is required by local Fire Department's to conduct training to support communities with the RCCD purview.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
H	FIT R7 Rationale: Trench Rescue Technician Supports local firefighter training enabling them to better support the community during an emergency involving trench rescue.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	FTV 38A Rationale: Beginning Film, Television and Video Production Project Removing FTV 43 as an advisory.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	FTV 44A Rationale: Beginning Television Production When 51B was added as a co-requisite option, 51A was removed; modification is to put it back and create an "or" option.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	FTV 51A Rationale: Film, Television and Video Laboratory I As part of program review, update entry skills, add TOPS code. Also adding course objectives.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	FTV 51B Rationale: Film, Television and Video Laboratory II Major modification to remove 45B as co-req and add objectives.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	FTV 52 Rationale: Film, Television and Video Laboratory Needs objectives.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	FTV 64A Rationale: Beginning Digital Editing Principles and Techniques Adding objectives and updating texts.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	FTV 68 Rationale: Story Development Process in the Entertainment Industry Course objectives added.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Technical Review Proposals for 10/19/21

Proposals marked with a red "H" were held at a previous Tech Review meeting.

Documents in the Programs section without an underline have not yet been received by the Tech Review Committee.

Courses

Course Major Modifications

		M	N	R	Discussion	Action
FTV 71A	Beginning Sound Engineering for Audio in Media	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	The course is being reinstated to meet requirements of the ADT.					
FTV 76	Advanced Digital Audio Recording Pro Tools 201	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Revision to remove pre-req of FTV 75 which was deleted and add objectives.					
HMS 21	Social Justice in the Criminal Justice System	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Major modifications in alignment with HMS discipline curriculum decisions. The original content is covered in addition to larger social justice issues in the criminal justice system.					
HMS 41	Counseling and Resources for Survivors of Domestic Violence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Adding resources in title to reflect original content for potential students					
HMS 42	Counseling & Resources for Families & the Child Welfare System	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Updated to represent content discussed in original certificate address counseling services to families and families in the child welfare system including foster care, county services, and adoption services.					
HMS 43	Counseling and Resources for Older Adults and Their Families	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Updated course title and description to clarify the category population of geriatric: older adults					
HMS 46	Intro to Resources and Counseling Individuals on Probation or Parole	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Major modifications in alignment with HMS discipline curriculum decisions. The original content includes instruction on helping individuals on probation and parole. The title now reflects this content.					
HMS 48	Counseling and Case Management in Correctional Facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Major modifications in alignment with HMS discipline curriculum decisions. The original content includes instruction on counseling in corrections. The title now reflects this content.					
HMS 50	Introduction to African American Families and Populations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Revised the five SLOs as provided by the California State University Council on Ethnic Studies Core Competencies for Ethnic Studies System-wide Graduation Requirement, updated course content					

Courses

Course Major Modifications

		M	N	R	Discussion	Action	
	HMS 51	Introduction to Latina and Latino American Families and Populations		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Rationale:	Revised the five SLOs as provided by the California State University Council on Ethnic Studies Core Competencies for Ethnic Studies System-wide Graduation Requirement, updated course content					
	HMS 52	Introduction to Asian American Families and Populations		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Rationale:	Revised the five SLOs as provided by the California State University Council on Ethnic Studies Core Competencies for Ethnic Studies System-wide Graduation Requirement, updated course content					
	HMS 53	Introduction to Native American Families and Populations		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Rationale:	Revised the five SLOs as provided by the California State University Council on Ethnic Studies Core Competencies for Ethnic Studies System-wide Graduation Requirement, updated course content					
	HMS 62	Introduction to the Diagnostic and Statistical Manual of Mental Disorders		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Rationale:	Expansion of title (DSM acronym breakdown) to bring clarity to potential students.					
	HMS 71	Grant Writing Essentials		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Rationale:	Shorten title					
H	MAG 44	Principles of Management		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For MAG courses below, did not seem to have updated content to reflect the equity based SLO. Course may need expansion. Discipline has met and discussed how to proceed. Kelly/Casandra will work with faculty to make edits to courses in progress. For some areas in content, "Types of equipment" is stated, but may want to specify the specific equipment.
	Rationale:	Including our new Diversity SLO.					
H	MAG 51	Elements of Supervision		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Rationale:	Including our new Diversity SLO.					
H	MAG 52	Employee Training & Development		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Rationale:	Including a new Diversity SLO.					

Courses

Course Major Modifications

		M	N	R	Discussion	Action	
H	MAG 56 Rationale: Adding a new Diversity SLO.			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H	MAG 60 Rationale: Adding a new Diversity SLO.		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
H	MAG 62 Rationale: Adding new Diversity SLO.		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
H	MAG 70 Rationale: Adding a new Diversity SLO.		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	MAN 35 Rationale: There are other CAM software systems. Mastercam is still used in much of the industry many are also using Fusion 360.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	MDA 100 Rationale: Revised objectives to align with current medical assisting duties and updated prerequisites.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	MDA 11 Rationale: Reviewed course for currency; updated objectives, course content, and course materials.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	MDA 58A Rationale: Updating course title, objectives, corequisites, and course materials to reflect current trends in the field.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	MDA 59 Rationale: Reviewed course for currency, updated objectives to better align with current medical assisting duties/skills, and updated course materials.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	MUS 1 Rationale: Add objectives, update SLOs, course content, sample assignments, and materials.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	MUS 23 Rationale: Update catalog description. Add objectives. Update SLO language. Update textbooks.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	MUS 26 Rationale: Add objectives. Update course content and materials.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Technical Review Proposals for 10/19/21

Proposals marked with a red "H" were held at a previous Tech Review meeting.

Documents in the Programs section without an underline have not yet been received by the Tech Review Committee.

Courses

Course Major Modifications

		M	N	R	Discussion	Action
MUS 30	Class Voice	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update materials.					
MUS 31	College Choir	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives and update SLOs.					
MUS 40	Class Percussion	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update materials.					
MUS 43A	Jazz Improvisation and Theory I	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, SLOs, and materials.					
MUS 43B	Jazz Improvisation and Theory II	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, SLOs, and materials.					
MUS 43C	Jazz Improvisation and Theory III	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, SLOs, and materials.					
MUS 49	Indoor Marching Percussion	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, SLOs, methods of evaluation, instruction, materials.					
MUS 50	Master Chorale	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Update course description. Add objectives.					
MUS 53	Keyboard Proficiency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update SLOs and materials.					
MUS 57	Gospel Singers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Remove entrance skills. Add objectives. Update SLOs.					
MUS 59	Winter Marching Band Clinic	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, methods, materials.					
MUS 60	Summer Marching Band Clinic	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, methods, materials.					
MUS 61	Auxiliary Marching Units	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, SLOs, methods, materials.					
MUS 66	Indoor Color Guard	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, SLOs, methods, and materials.					

Technical Review Proposals for 10/19/21

Proposals marked with a red "H" were held at a previous Tech Review meeting.

Documents in the Programs section without an underline have not yet been received by the Tech Review Committee.

Courses

Course Major Modifications

		M	N	R	Discussion	Action
MUS 69	Festival Choir	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update SLOs.					
MUS 70	Guitar Lab Ensemble	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update SLOs, course content, sample assignments, and textbook. Remove prerequisite.					
MUS 71	College Chorus	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Remove entrance skill. Add objectives. Update SLOs.					
MUS 74	Jazz Proficiency	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update SLOs and materials.					
MUS 80	Master Singers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Update description. Add objectives.					
MUS 83	Advanced Chamber Choir	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Remove entrance skills. Add objectives. Update SLOs.					
MUS 87	Applied Music Training	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add limitation on enrollment and objectives.					
MUS 89	Music of Multicultural America	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update materials.					
MUS 89H	Honors Music of Multicultural America	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update materials.					
MUS 92	Basic Piano	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update SLOs. Update text.					
MUS 93	The Business of Music	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update SLOs and materials.					
MUS 94	Community Jazz Orchestra	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, content, methods.					
MUS 95	Community Symphony Band	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Update description, add objectives, update SLOs, update content, MOI, MOE, SA.					
MUS 97	Pep Band	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, SLOs, and methods.					

Technical Review Proposals for 10/19/21

Proposals marked with a red "H" were held at a previous Tech Review meeting.

Documents in the Programs section without an underline have not yet been received by the Tech Review Committee.

Courses

Course Major Modifications

		M	N	R	Discussion	Action
MUS P27	Beginning String Techniques	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Update description, SLOs, and course content. Add objectives. Update materials.					
MUS P28	Symphony Strings	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, SLOs, content, methods.					
MUS P44	Jazz Lab Band	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, SLOs, methods.					
MUS P84	Jazz Lab Orchestra	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add objectives. Update description, SLOs, content, methods.					
PHO 12	Photojournalism and Documentary Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Updated to consider the shift in Photojournalism to move toward documentary photography.					
PHO 14	Lighting for Photographers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This adjustment considers the progress of photographic technology and allows students to utilize new technology for professional photographic practices.					
PHO 15	Wedding and Event Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This change prepares students to photograph both weddings and professional events that share professional skills.					
PHO 18	Photoshop, Lightroom, and Printing for Photographers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This course has been updated for professional practices in contemporary commercial photography fields.					
PHO 20	Introduction to Digital Photography	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	The course is updated for contemporary photographic practices.					
PHO 67	Business Practices for Photographers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This course has been updated to include pertinent details to create a business in photography and bring it up to date with contemporary practices in photography.					
PHO 8	Introduction to Film Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This updates the professional practices to meet the contemporary standards of digitization, digital asset management, color film, and photography editing.					

Courses

Course Major Modifications

M N R Discussion Action

PHO 9 Intermediate Photography

Rationale: This update has been made to bring this course up to date with contemporary photography standards. The prerequisites have become advisory, as it is not necessary to have PHO 8 or PHO 20 to be completed before taking this course.

Course Minor Modifications

M N R Discussion Action

H ADJ 12 Introduction to Criminalistics No objectives. Should be relaunched as major mod.

Rationale: Minor Modification: 09.17.21 Textbook Update

H ADJ 19 Introduction to Policing Methods of Instruction and Methods of Evaluation could use expansion.

Rationale: Minor Modification: 09.17.21 Textbook Update

H ADJ 24 Interviewing & Interrogation Methods of Instruction and Methods of Evaluation could use expansion.

Rationale: Minor Modification: 09.17.21 Textbook Update

H ADJ 9 Law In American Society Holding for ADJ 9H.

Rationale: Course update - Adding and updating textbooks.

CAT 814 Business Skills: Professional Communication Basics

Rationale: Two-year review. Update to text book.

CAT 817 Business Skills: Professional Self-Management

Rationale: Two-year review with text update.

CAT 842 MOSPrep: Microsoft Office Excel Expert Exam Preparation

Rationale: Two year review with text update.

CAT 843 MOSPrep: Microsoft Office PowerPoint Core Exam Preparation

Rationale: Two-year review with textbook update.

CAT 844 MOSPrep: Microsoft Office Access Core Exam Preparation

Rationale: Two year review with text book update.

CAT 845 MOSPrep: Microsoft Office Outlook Core Exam Preparation

Rationale: Two year review with text book update.

H DEA 40B Advanced Chairside Orthodontic Dental Assistant No objectives. Needs to be relaunched as major mod.

Rationale: This course is being updated for currency and course materials.

Courses

Course Minor Modifications

		M	N	R	Discussion	Action
MDA 10	Medical Terminology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Reviewing and updating course materials.					
MDA 50	Medical Assisting Core	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Reviewed course for currency and updated course materials.					
MDA 54A	Clinical Medical Assisting I	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Reviewed course for currency and updated course materials.					
MDA 54B	Clinical Medical Assisting II	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Reviewed course for currency and updated course materials.					
MDA 58B	Advanced Medical Transcription	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Reviewed course for currency and updated course materials.					
MDA 60	Survey of Human Disease Processes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Reviewed course for currency and updated course materials.					
MDA 61	Pharmacology for Medical Office Personnel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Reviewed course for currency and updated course materials.					
MDA 62	CPT/Coding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Reviewed course for currency and updated course materials.					
MDA 63	Diagnostic Coding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Reviewed course for currency and updated course materials.					
MDA 64	Advanced Diagnostic Coding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Reviewed course for currency and updated course materials.					
PDS 802	Supervisory Skills	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Two year CTE review. No changes needed.					
PDS 803	Increasing Productivity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Two year CTE review. No changes needed.					
PDS 804	Motivating Yourself and Others	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Two year CTE review. No changes needed.					
PDS 805	Difficult Conversations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Two year CTE review. No changes needed.					

Courses

Course Minor Modifications

M N R Discussion

Action

PDS 806 **The Art of Negotiating and Collaborating**

Rationale: Two year CTE review. No changes needed.

PDS 807 **Personality Styles and Difficult Relationships**

Rationale: Two year CTE review. No changes needed.

PDS 808 **Critical Thinking, Problem Solving and Decision Making**

Rationale: Two year CTE review. No changes needed.

PDS 809 **Business Writing in a Technological World**

Rationale: Two year CTE review. No changes needed.

PDS 810 **Time Management**

Rationale: Two year CTE review. No changes needed.

PDS 811 **High Impact Presentations and Proposals for the Work Place**

Rationale: Two year CTE review. No changes needed.

PDS 812 **Workplace Communication Strategies**

Rationale: Two year CTE review. No changes needed.

PDS 813 **Best Practices in Customer Service**

Rationale: Two year CTE review. No changes needed.

PDS 814 **Closing Techniques That Win the Sale**

Rationale: Two year CTE review. No changes needed.

PDS 815 **Winning Sales Scripts**

Rationale: Two year CTE review. No changes needed.

PDS 816 **Personal Finance**

Rationale: Two year CTE review. No changes needed.

PDS 817 **Financial Future**

Rationale: Two year CTE review. No changes needed.

PDS 818 **The Successful Job Search**

Rationale: Two year CTE review. No changes needed.

Courses

Distance Education

		M	N	R	Discussion	Action
DEA 23DE2	Introduction to Dental Sciences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
DEA 41DE2	Dental Office Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
EAR 30DE	Practicum in Early Childhood Education	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:						
ETS 18DE	Survey of Native American Literature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:						
ETS 20DE	Survey of African American Literature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:						
ETS 24DE	Survey of Asian American Literature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:						
ETS 25DE	Latinx Literature of the United States	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:						
GUI 45DE2	Introduction to College	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:						

New Courses

		M	N	R	Discussion	Action
H ADJ 27	Forensic & Crime Scene Photography	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for PHO-27. No entry skill links. Objectives and SLOs are the same.	
Rationale: This course, an interdisciplinary partnership between the ADJ and Photography departments, will meet a significant need within the industry to provide quality training and skill-building in photography specific to forensic and crime scene environments; this new course is also being introduced within the major modification to the Crime Scene Investigation certificate in the ADJ program.						
BUS 56	Cyber Law	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale: A new course that is part of our Cyberpreneurship Program						
H CIS 27F	Cyber Threat Intelligence & Automated Response	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Course content has a's with no b's.	
Rationale: Course required for cyberpreneurship program grant.						

Courses

New Courses

		M	N	R	Discussion	Action
H	CIS 48A Rationale: Introduction to Cloud Computing This course is part of the Cloud Administration certificate, which aims to develop technical skills for students who are interested in pursuing cloud-based support positions in the IT industry. With the increasing demands for cloud services, cloud security is an essential area of cloud computing as it emphasizes asset protection and maintenance. The obtained skills will help individuals in seeking employment and improve their social-economic status while elevate Inland Empire technical workforce.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Held for verification of hours against 848A.	
H	CIS 70A Rationale: Foundations of Data Science Foundations of Data Science will attract students to the Data Science Certificate and Program. They will be exposed to an industry-leading programming language and statical inference for data driven decision-making. This course will prepare students to be successful in Statistics for STEM and Introduction to Python. The Data Analytics Certificate and Associates Degree in Data Science prepares students for Junior Data Analyst positions. The U.S. Bureau of Labor Statistics reports that the demand for data science skills will drive a 27.9 percent rise in employment in the field through 2026. Data Scientist make businesses grow better and are the backbone of data-intensive companies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for crosslisted MAT-70A.	
H	CIS 848A Rationale: Cloud Computing Fundamentals This course mirrors another credit course that is part of the Cloud Administration certificate, which aims to develop technical skills for students who are interested in pursuing cloud-based support positions in the IT industry. With the increasing demands for cloud services, cloud security is an essential area of cloud computing as it emphasizes asset protection and maintenance. The obtained skills will help individuals in seeking employment and improve their social-economic status while elevate Inland Empire technical workforce.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Holding for verification of hours against 48A.	
	ENP 27G Rationale: Cyberpreneurship Capstone Last cyberpreneurship course for certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
H	FIT 16 Rationale: Biddle Physical Ability Test The Biddle PAT is widely accepted as an industry standard for fitness by Fire Departments in the State of California. This test is a pre-requisite for FIT S3. It is appropriate that MVC provides an opportunity for students to participate in this test locally so they can be successful in FIT S3 Fire Academy AND be marketable for a career in the Fire Service.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does not have methods of evaluation, sample assignments, or minutes. Only 8 hours.	

Courses

New Courses

		M	N	R	Discussion	Action
FIT 17	Fitness and Nutrition for Public Safety Personnel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Ensures students have a thorough understanding of fitness and nutrition pertinent to the overall health, wellness, and longevity to compliment their ability to succeed and thrive in Public Service.					
FIT COH2	Hazardous Materials First Responder Operational	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Course is required by Fire Departments within RCCD to safely mitigate incidents that occur in the local community.					
FIT DO1C	Aerial Apparatus Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Course is required by local area Fire Department personnel who respond and operate in the RCCD area of responsibility.					
FIT DO1D	Tillered Apparatus Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Course is required for local area Fire Department personnel to be proficient while operating this equipment in response to emergencies located in the RCCD area of responsibility.					
FIT DO1E	Wildland Fire Apparatus Driver/Operator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Course is required by local area fire departments to ensure personnel are properly trained to respond to emergencies in RCCD's area of responsibility.					
FIT DO1F	Water Tender Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Course is a training requirement for local area Fire Departments to safely and effectively mitigate emergencies in the RCCD.					
FIT R2C	Confined Space Rescue Technician	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	This course is required by local Fire Departments in the jurisdiction of RCCD to safely respond to and properly mitigate confined space emergency situations.					
FIT S404	Safety Officer (NWCG)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Meets the continuing training for Fire Service personnel employed in RCCD's area of responsibility.					
HMS 64	Introduction to Physiology and Pharmacology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	This course is required to meet accreditation standards of the California Consortium of Addiction Programs and Professionals and will be added to the Drug and Alcohol Studies Certificate of Achievement.					

Courses

New Courses

		M	N	R	Discussion	Action
HMS 65	Supervised Practicum	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	This course is required to meet accreditation standards of the California Consortium of Addiction Programs and Professionals and will be added to the Drug and Alcohol Studies Certificate of Achievement.					
HMS 66	Clinically Supervised Experience	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	This course is required to meet accreditation standards of the California Consortium of Addiction Programs and Professionals and will be added to the Drug and Alcohol Studies Certificate of Achievement.					
IAT 10	Industrial Automation 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	The skills acquired from the course can help students enter industrial automation workforce.					
MAT 70A	Foundations of Data Science	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Foundations of Data Science will attract students to the Data Science Certificate and Program. They will be exposed to an industry-leading programming language and statistical inference for data driven decision-making. This course will prepare students to be successful in Statistics for STEM and Introduction to Python. The Data Analytics Certificate and Associates Degree in Data Science prepares students for Junior Data Analyst positions. The U.S. Bureau of Labor Statistics reports that the demand for data science skills will drive a 27.9 percent rise in employment in the field through 2026. Data Scientist make businesses grow better and are the backbone of data-intensive companies.					
PHO 11	Commercial and Advertising Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	New Course					
PHO 19	Color Correction and the Photographic Body of Work	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	New Course					
PHO 22	Photography for Social Media	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This course will teach students how to create professional content for social media for personal and professional purposes.					
PHO 23	Drone Photography	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This course will prepare students for the commercial use of drones for professional photography.					

Courses

New Courses

M N R Discussion

Action

PHO 27 **Forensic & Crime Scene Photography**

Rationale: This course, an interdisciplinary partnership between the ADJ and Photography departments, will meet a significant need within the industry to provide quality training and skill-building in photography specific to forensic and crime scene environments; this new course is also being introduced within the major modification to the Crime Scene Investigation certificate in the ADJ program.

PHO 7 **Medium and Large Format Film Photography**

Rationale: New course

PSY 11 **Psychology of Human Sexuality**

Rationale: Human Sexuality has a C-ID descriptor (PSY 130) that will help provide a clear path for transfer to CSU. The course will directly contribute to the A.A.T. in Psychology by adding an option to List A. Several social justice ADTs are currently in development, and Human Sexuality is a course that can contribute to the course options for those programs. The course contributes to student self-understanding, personal growth, and well-being. It is applicable to and of interest to students from most majors. Human Sexuality will also enhance our general education offerings. In line with what is seen at quite a few CCCs, we plan to submit this course for fulfillment of Area D and Area E CSU GE requirements. It also fits in IGETC Area 4 and in RCCD GE B2: Social & Behavioral Sciences.

Programs

New Programs

M N R Discussion

Action

Certificate

H CIS **Data Analytics** Held for CIS/MAT-70A.

Rationale: This program addresses industry's continuing demands for professionals to test and build tools to meet the data quality validation needs for a cloud platform-based application and building enterprise analytics of large data volume. Based on Inland Empire/Desert region Labor Market Information report, the data-analysis occupation is projected to have 189 annual job openings, increasing employment by 8% through 2024. The 10th percentile hourly wage for data analysis related occupations exceeds the Family Needs Calculator self-sustainability rate, indicating that approximately the top 90% of workers in this occupation earn self-sufficient hourly wages. The courses in this program will also align with university courses, which will permit students to transfer to further develop skills and knowledge in the areas of Data Science.

Documents: [Narrative](#) [LMI](#) [Advisory Committee](#) [Regional Consortium](#)

Degree

H CIS **Data Science** Held for MAT/CIS-70A.

Rationale: This program addresses industry's continuing demands for professionals to test and build tools to meet the data quality validation needs for a cloud platform-based application and building enterprise analytics of large data volume. Based on Inland Empire/Desert region Labor Market Information report, the data-analysis occupation is projected to have 189 annual job openings, increasing employment by 8% through 2024. The 10th percentile hourly wage for data analysis related occupations exceeds the Family Needs Calculator self-sustainability rate, indicating that approximately the top 90% of workers in this occupation earn self-sufficient hourly wages. The courses in this program will also align with university courses, which will permit students to transfer to further develop skills and knowledge in the areas of Data Science.

Documents: [Narrative](#) [LMI](#) [Advisory Committee](#) [Regional Consortium](#)

Programs

Program Modifications

M N R Discussion

Action

Certificate

H **ADJ** **Crime Scene Investigation** Holding for PHO-27

Rationale: Norco College's current certificate in CSI is only a locally approved 15 credit certificate program. Over the course of the last two years, Dr. Matuszak conducted a thorough review of the program, its offerings, its courses, and industry and employer needs. This information was brought forth in discipline meetings and was then discussed in length at our Advisory Board meetings wherein they agreed that an overall modification was necessary.

H **ADJ** **Crime Scene Investigation** Holding for PHO-27.

Rationale: This necessary modification takes a locally approved certificate that does not meet any known employer needs or industry standards and transforms it into a state approved certificate that provides opportunities for students who complete it to meet entry-level criteria for over 85% of job postings within the region and state. The Criminalistics Learning Laboratory on campus, located in QD16.

Degree & Certificate

CIS **Computer Applications**

Rationale: The modification of Computer Applications and Office Technology certificate and degree address the removal of deleted courses, CIS-84 – Word Processing: Word Perfect for Windows, removal cross-listed CAT-54A and change of CIS-54A course title. These changes will impact the elective options of the certificate and degree, which does not impose any changes to program over objectives, units or learning outcomes. Course removal and title change are the result of outdated technology course content.

Riverside Community College District
Technical Review Committee

Program Documentation for October 19, 2021

Program Outline

Title: Data Analytics

Moreno Valley College **Norco College** **Riverside City College**
(Please note: All degrees and certificates are college specific. If multiple colleges wish to adopt this degree or certificate, a separate proposal and college specific supporting documents are required.)

TOPs Code: 070730

CIP Code: 11.0501

Type of Program:

Certificate of Achievement only Associate’s Degree only Certificate and Degree

Type of Associate Degree:

Associate of Arts Associate of Science

This is a:

New certificate/degree Modification to an existing certificate/degree
 New Local certificate Modification to an existing local certificate

If this is a modification to an existing certificate/degree, please specify the changes being made:
(Please be specific! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Rationale:

This program addresses industry’s continuing demands for professionals to test and build tools to meet the data quality validation needs for a cloud platform-based application and building enterprise analytics of large data volume. Based on Inland Empire/Desert region Labor Market Information report, the data-analysis occupation is projected to have 189 annual job openings, increasing employment by 8% through 2024. The 10th percentile hourly wage for data analysis related occupations exceeds the Family Needs Calculator self-sustainability rate, indicating that approximately the top 90% of workers in this occupation earn self-sufficient hourly wages. The courses in this program will also align with university courses, which will permit students to transfer to further develop skills and knowledge in the areas of Data Science.

Required Documentation

Please submit this form and the documents outlined below to your college coordinator and the District Technical Review committee via TechReview@rccd.edu. Please do not submit your proposal until all of the documentation below is complete.

All Degrees and Certificates

- Discipline
- Department minutes showing approval
- Narrative *(see following page)*
- Transfer preparation documentation *(only if applicable)*

Degrees and Certificates of 8 Units or More with Vocational TOPs Codes

In addition to the above, all degrees and certificates of 8 units or more with a vocational TOPs code must include the following to be submitted to the State Chancellor’s Office for approval.*

- Labor Market Information and Analysis *(required for new programs and modifications; also be recent within 2 years).*-
- Advisory Committee Recommendation *(Required for new programs and may be required for modifications. Check with the curriculum coordinator at your college to determine if a new recommendation is necessary.)*
- Regional Consortium Recommendation *(required for new programs only)*

**While certificates between 8 and less than 16 units can be approved locally and are not required to be submitted to the State Chancellor's Office for approval, certificates that have not been approved by the State Chancellor's Office cannot appear on student transcripts and the college cannot receive apportionment for program completions. Additionally, any certificate of less than 8 units can only be approved locally. These certificates also cannot appear on student transcripts and colleges cannot receive apportionment for completion.*

Program Narrative

Item 1. Program Goals and Objectives

Data Analytics Certificate of Achievement provides students with a foundation in data analysis, in which students will model, synthesize, and present large data sets for business decision making. Courses will focus on the techniques and tools to extract data from various data sources, model, integrate data, and visualize data for organizational decision making and intelligence gathering. The program prepares students for entry-level jobs, or to help them advance into careers, such as Operation Data Analyst, Business Analytics Specialist, System Data Analyst, Data Visualization Developer, Test Data Analyst, and Market Research Analyst. Topics covered will include statistics, research methods, SQL queries, systems analysis, design, and applied predictive analytics.

Program Learning Outcomes:

Upon successful completion of this program, students should be able to:

- Identify, extract, clean and maintain data in databases.
- Interpret and evaluate data trends or patterns in complex data sets using statistical techniques, analytic methods, and tools.
- Create and monitor reports to preserve data quality, identify critical issues, trends, and potential solutions.

Item 2. Catalog Description

Data Analytics Certificate of Achievement provides students with a foundation in data analysis, in which students will model, synthesize, and present large data sets for business decision making. Courses will focus on the techniques and tools to extract data from various data sources, model, integrate data, and visualize data for organizational decision making and intelligence gathering. The program prepares students for entry-level jobs, or to help them advance into careers, such as Operation Data Analyst, Business Analytics Specialist, System Data Analyst, Data Visualization Developer, Test Data Analyst, and Market Research Analyst. Topics covered will include statistics, research methods, SQL queries, systems analysis, design, and applied predictive analytics.

Program Requirement:

Before entering this program, students must complete MAT-35 and MAT-10 or MAT-23 or qualifying placement level in mathematics to be successful in courses in the program.

Program Learning Outcomes:

Upon successful completion of this program, students should be able to:

- Identify, extract, clean and maintain data in databases.
- Interpret and evaluate data trends or patterns in complex data sets using statistical techniques, analytic methods, and tools.
- Create and monitor reports to preserve data quality, identify critical issues, trends, and potential solutions.

Required Courses: 30 units

Course	Title	Units	Sequencing
CIS-1A	Introduction to Computer Information Systems	3	Semester 1
MAT-70A/CIS-70A	Foundations of Data Science	3	Semester 1
CIS/CSC-61	Introduction to Database Theory	3	Semester 1
CIS-30A	Introduction to Python Programming	3	Semester 1

or CSC-8	or Programming Concepts: Python		
MAT-70B	Statistics for STEM	4	Semester 2
MAT-1A	Calculus I	4	Semester 2
CIS/CSC-63	Introduction to Structured Query Language (SQL)	3	Semester 2
MAT-1B	Calculus II	4	Semester 3
CIS-30E	Advanced Python Programming	3	Semester 3

Elective Courses: 3 units

Course	Title	Units	Sequencing
CIS-68A or	Introduction to Machine Learning	3	Semester 3
CIS-68B or	Big Data Fundamentals	3	Semester 3
CIS/CSC-2 or	Fundamental of Systems Analysis	3	Semester 3
CIS/CSC-20	Systems Analysis and Design	3	Semester 3

Total Program Units: 33 units

Item 3. Program Requirements

Required Courses: 30 units

Course	Title	Units	Sequencing
CIS-1A	Introduction to Computer Information Systems	3	Semester 1
MAT-70A/CIS-70A	Foundations of Data Science	3	Semester 1
CIS/CSC-61	Introduction to Database Theory	3	Semester 1
CIS-30A or CSC-8	Introduction to Python Programming or Programming Concepts: Python	3	Semester 1
MAT-70B	Statistics for STEM	4	Semester 2
MAT-1A	Calculus I	4	Semester 2
CIS/CSC-63	Introduction to Structured Query Language	3	Semester 2
MAT-1B	Calculus II	4	Semester 3
CIS-30E	Advanced Python Programming	3	Semester 3

Elective Courses: 3 units

Course	Title	Units	Sequencing
CIS-68A or	Introduction to Machine Learning	3	Semester 3
CIS-68B or	Big Data Fundamentals	3	Semester 3
CIS/CSC-2 or	Fundamental of System Analysis	3	Semester 3
CIS/CSC-20	Systems Analysis and Design	3	Semester 3

Total Program Units: 33 units

The **Certificate of Achievement in Data Analytics** will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.

Item 4. Master Planning

This cross-discipline certificate will increase the diversity in Inland Empire workforce by providing technical training emphasis in Career Technical Education. This program will increase the diversity of student population in STEM, Computer Information Systems and Mathematics, aligning with Guided Pathway to support student success. The growth of the program will also address to need to improve special populations in STEM, such as potentially increasing the population of female students and professionals in the areas of STEM. The program is expected to have a steady growth after the initial year with program promotional outreach to local high schools and community centers.

Item 5. Enrollment and Completer Projections

Enrollment Projects for courses are as followed:

Required courses:

- CIS-1A: 49 students
- MAT-27B: 49 students
- CIS/CSC-61: 49 students
- CIS-30A or CSC-8: 49 students
- CIS-68A/MAT27A: 49 students
- CIS-68B: 49 students

Electives:

- CIS-68C: 49 students
- CIS-2: 49 students
- CIS-20: 49 students

This program is expected to have 50 to 100 students by Spring 2023.

Item 6. Place of Program in Curriculum/Similar Programs

Most of the courses in the program are active courses that are currently offered at all three campuses in RCCD. The new courses will be incorporated into the program seamlessly. No other programs are similar or the same as the proposed Data Analytics program.

Item 7. Similar Programs at Other Colleges in Service Area

No other college in the region offers similar program. This program offers opportunities for students to acquire technical training that will help them build careers and contribute to Inland Empire social-economic improvement. It also provides local organizations access to a growing workforce and training resources for their incumbent workers.

Item 8. Transfer Preparation Information (if applicable)

Existing courses have been articulated for UC and CSU transfer. New courses can be articulated as transferrable courses at University of California Riverside, California State University San Bernardino, Cal-Poly Pomona, and other institutions. The courses in this certificate can be used toward Associate Degree to Transfer for Data Science for UC and CSU.

Program Outline

Title: Data Science

Moreno Valley College **Norco College** **Riverside City College**
(Please note: All degrees and certificates are college specific. If multiple colleges wish to adopt this degree or certificate, a separate proposal and college specific supporting documents are required.)

TOPs Code: 070730

CIP Code: 11.0501

Type of Program:

Certificate of Achievement only Associate’s Degree only Certificate and Degree

Type of Associate Degree:

Associate of Arts Associate of Science

This is a:

New certificate/degree Modification to an existing certificate/degree
 New Local certificate Modification to an existing local certificate

If this is a modification to an existing certificate/degree, please specify the changes being made:
(Please be specific! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Rationale:

This program addresses industry’s continuing demands for professionals to test and build tools to meet the data quality validation needs for a cloud platform-based application and building enterprise analytics of large data volume. Based on Inland Empire/Desert region Labor Market Information report, the data-analysis occupation is projected to have 189 annual job openings, increasing employment by 8% through 2024. The 10th percentile hourly wage for data analysis related occupations exceeds the Family Needs Calculator self-sustainability rate, indicating that approximately the top 90% of workers in this occupation earn self-sufficient hourly wages. The courses in this program will also align with university courses, which will permit students to transfer to further develop skills and knowledge in the areas of Data Science.

Required Documentation

Please submit this form and the documents outlined below to your college coordinator and the District Technical Review committee via TechReview@rccd.edu. Please do not submit your proposal until all of the documentation below is complete.

All Degrees and Certificates

- Discipline
- Department minutes showing approval
- Narrative *(see following page)*
- Transfer preparation documentation *(only if applicable)*

Degrees and Certificates of 8 Units or More with Vocational TOPs Codes

In addition to the above, all degrees and certificates of 8 units or more with a vocational TOPs code must include the following to be submitted to the State Chancellor’s Office for approval.*

- Labor Market Information and Analysis *(required for new programs and modifications; also be recent within 2 years).*-
- Advisory Committee Recommendation *(Required for new programs and may be required for modifications. Check with the curriculum coordinator at your college to determine if a new recommendation is necessary.)*
- Regional Consortium Recommendation *(required for new programs only)*

**While certificates between 8 and less than 16 units can be approved locally and are not required to be submitted to the State Chancellor's Office for approval, certificates that have not been approved by the State Chancellor's Office cannot appear on student transcripts and the college cannot receive apportionment for program completions. Additionally, any certificate of less than 8 units can only be approved locally. These certificates also cannot appear on student transcripts and colleges cannot receive apportionment for completion.*

Program Narrative

Item 1. Program Goals and Objectives

Associate Degree of Science in Data Science provides students with a foundation in data analysis, in which students will model, synthesize, and present large data sets for business decision making. Courses will focus on the techniques and tools to extract data from various data sources, model, integrate data, and visualize data for organizational decision making and intelligence gathering. The program prepares students for entry-level jobs, or to help them advance into careers, such as Operation Data Analyst, Business Analytics Specialist, System Data Analyst, Data Visualization Developer, Test Data Analyst, and Market Research Analyst. Topics covered will include statistics, research methods, SQL queries, systems analysis, design, and applied predictive analytics.

Program Learning Outcomes:

Upon successful completion of this program, students should be able to:

- Identify, extract, clean and maintain data in databases.
- Interpret and evaluate data trends or patterns in complex data sets using statistical techniques, analytic methods, and tools.
- Create and monitor reports to preserve data quality, identify critical issues, trends, and potential solutions.

Item 2. Catalog Description

Associate Degree of Science in Data Science provides students with a foundation in data analysis, in which students will model, synthesize, and present large data sets for business decision making. Courses will focus on the techniques and tools to extract data from various data sources, model, integrate data, and visualize data for organizational decision making and intelligence gathering. The program prepares students for entry-level jobs, or to help them advance into careers, such as Operation Data Analyst, Business Analytics Specialist, System Data Analyst, Data Visualization Developer, Test Data Analyst, and Market Research Analyst. Topics covered will include statistics, research methods, SQL queries, systems analysis, design, and applied predictive analytics.

Program Requirement:

Before entering this program, student must complete MAT – 35 and MAT-10 or MAT-23 or qualifying placement level in mathematics to be successful in courses in the program.

Program Learning Outcomes:

Upon successful completion of this program, students should be able to:

- Identify, extract, clean and maintain data in databases.
- Interpret and evaluate data trends or patterns in complex data sets using statistical techniques, analytic methods, and tools.
- Create and monitor reports to preserve data quality, identify critical issues, trends, and potential solutions.

Required Courses: 37 units

Course	Title	Units	Sequencing
CIS-1A	Introduction to Computer Information Systems	3	Semester 1
MAT-70A/CIS-70A	Foundations of Data Science	3	Semester 1
CIS/CSC-61	Introduction to Database Theory	3	Semester 1
CIS-30A or	Introduction to Python Programming or	3	Semester 1

CSC-8	Programming Concepts: Python		
MAT-70B	Statistics for STEM	4	Semester 2
MAT-1A	Calculus I	4	Semester 2
CIS/CSC-63	Introduction to Structured Query Language (SQL)	3	Semester 2
MAT-1B	Calculus II	4	Semester 3
CIS-30E	Advanced Python Programming	3	Semester 3
MAT-1C	Calculus III	4	Semester 4
MAT-3	Linear Algebra	3	Semester 4

Elective Courses: 3 units

Course	Title	Units	Sequencing
CIS-68A or	Introduction to Machine Learning	3	Semester 3
CIS-68B or	Big Data Fundamentals	3	Semester 3
CIS/CSC-2 or	Fundamentals of Systems Analysis	3	Semester 4
CSC-20	System Analysis and Design	3	Semester 4

Total Program Units: 40 units

Item 3. Program Requirements

Required Courses: 37 units

Course	Title	Units	Sequencing
CIS-1A	Introduction to Computer Information Systems	3	Semester 1
MAT-70A/CIS-70A	Foundations of Data Science	3	Semester 1
CIS/CSC-61	Introduction to Database Theory	3	Semester 1
CIS-30A or CSC-8	Introduction to Python Programming or Programming Concepts: Python	3	Semester 1
MAT-70B	Statistics for STEM	4	Semester 2
MAT-1A	Calculus I	4	Semester 2
CIS/CSC-63	Introduction to Structured Query Language (SQL)	3	Semester 2
MAT-1B	Calculus II	4	Semester 3
CIS-30E	Advanced Python Programming	3	Semester 3
MAT-1C	Calculus III	4	Semester 4
MAT-3	Linear Algebra	3	Semester 4

Elective Courses: 3 units

Course	Title	Units	Sequencing
CIS-68A or	Introduction to Machine Learning	3	Semester 3
CIS-68B or	Big Data Fundamentals	3	Semester 3
CIS/CSC-2 or	Fundamentals of Systems Analysis	3	Semester 4
CSC-20	Systems Analysis and Design	3	Semester 4

Total Program Units: 40 units

The **Associate of Science Degree in Data Science** will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.

Minimum Degree Units		Maximum Degree Units	
Minimum Required Units	40	Maximum Required Units	40
Minimum Elective Units	3	Maximum Elective Units	3
Local GE Required Units	27	CSUGE Required Units	39
Double Counted Units	3	Double Counted Units	15
Total Minimum Degree Units	67	Total Maximum Degree Units	67

Item 4. Master Planning

This degree will increase the diversity in Inland Empire workforce by providing technical training emphasis in Career Technical Education. This program will increase the diversity of student population in STEM, Computer Information Systems and Mathematics. It will allow student to transfer to UC or CSU to pursue a bachelor’s degree in Data Science or related areas. The program will also improve the growth in special populations in STEM education, such as potentially increasing the population of female students and under-represented populations in the areas of STEM. The program is expected to have a steady growth after the initial year with program promotional outreach to local high schools and community centers.

Item 5. Enrollment and Completer Projections

Enrollment Projects for courses are as followed:

Required courses:

- CIS-1A: 49 students
- MAT-70A/CIS-70A: 49 students
- MAT-20B: 49 students
- CIS/CSC-61: 49 students
- CIS/CSC-63: 49 students
- CIS-30A or CSC-8: 49 students
- CIS-68B: 49 students

Electives:

- CIS-68A: 49 students
- CIS-68B: 49 students
- CIS-2: 49 students
- CIS-20: 49 students

This program is expected to have 50 to 100 students by Fall 2023.

Item 6. Place of Program in Curriculum/Similar Programs

Most of the courses in the program are active courses that are currently offered at all three campuses in RCCD. The new courses will be incorporated into the program seamlessly. No other programs are similar or the same as the proposed Data Analytics program.

Item 7. Similar Programs at Other Colleges in Service Area

No other college in the region offers similar program. This program offers opportunities for students to acquire technical training that will help them build careers and contribute to Inland Empire social-

economic improvement. It also provides local organizations access to a growing workforce and training resources for their incumbent workers.

Item 8. Transfer Preparation Information (if applicable)

Existing courses have been articulated for UC and CSU transfer. New courses can be articulated as transferrable courses at University of California Riverside, California State University San Bernardino, Cal-Poly Pomona and other institutions. The courses in this certificate can be used toward Associate Degree to Transfer for Data Science for UC and CSU.

Program Outline

Title: Crime Scene Investigations

Originator: Dr. Sigrid Williams

Date 9/17/2021

Department: BEIT

Moreno Valley College **Norco College** **Riverside City College**
(Please note: All degrees and certificates are college specific. If multiple colleges wish to adopt this degree or certificate, a separate proposal and college specific supporting documents are required.)

TOPs Code: 2105.40 CIP Code: 43.0406

Type of Program:

Certificate of Achievement only Locally approved certificate (8-units or less) only
 Associate Degree only Certificate of Achievement and Degree

Type of Associate Degree:

Associate of Arts Associate of Science

This is a:

New certificate/degree Modification to an existing certificate/degree

If this is a modification to an existing certificate/degree, please specify the changes being made:
(Please be specific! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

The existing CSI Certificate is only a locally approved certificate program that was created to consist of 5 classes; it is unknown the rationale or logic that was used in determining these courses. The existing certificate program (prior to 2019), which is 15 credits, consists of the following classes:

ADJ-2	Principles & Procedures of the Justice System	3 Units
ADJ-3	Criminal Law	3 Units
ADJ-13	Criminal Investigation	3 Units
ADJ-14	Advanced Criminal Investigation	3 Units
ANT-10	Forensic Anthropology	3 Units

In 2019, a minor modification was made to the certificate by including an option for students to take ADJ-12 “Criminalistics” in lieu of ANT-10, which our advisory board deemed a more industry-applicable course. This small modification was made where ANT-10 was not excluded, but instead ADJ-12 Criminalistics was added as an option for students (making the certificate offer an elective for students between ANT-10 or ADJ-12).

This modification was not nearly enough for this program to provide students the opportunities needed to be competitive within the industry or to even seek out employment opportunities within the discipline. The revised certificate proposal both adds courses and removes ANT-10 from the required course listing.

Rationale:

(Please note: This information will be presented to the Board of Trustees.)

In 2009, the National Research Council, Committee on Identifying the Needs of the Forensic Sciences Community published the landmark “Strengthening Forensic Science in the United States: A Path Forward.” This report included both deficiencies and potential solutions for a myriad of problems in the forensic science arena. In specifically addressing education programs, the National Research Council (2009) stated:

“To correct some of the existing deficiencies, the starting place must be better undergraduate and graduate programs, as well as increased opportunities for continuing education. Legitimizing practices in the forensic science disciplines must be based on established scientific knowledge, principles, and practices, which are best learned through formal education and training and the proper conduct of research” (p. 217).

The report also addressed the recognition that “demand for more and better-skilled forensic science practitioners is rising at both macro and micro levels” (National Research Council, 2009, p. 218). A fundamental aspect of the report is the National Research Council’s (2009) establishment that forensic science education in the United States is notably problematic: “The overarching challenges facing forensic science education, since its inception, have been inconsistent quality and insufficient funding. Commentators have noted repeatedly the deficiencies of forensic science education programs...If forensic science education programs had sufficient rigor in science, law, and forensics, crime laboratories would have to spend less time and money for training” (p. 224). Further still, false or misleading forensic evidence is a contributory factor in a large percentage of investigations and convictions that are later found to have been mishandled; the Innocence Project claims 46% of false convictions are the result of poor forensic evidence; LaPorte (2017) questioned some of the data analysis provided by the Innocence Project, as well as identifying that a large portion of false convictions due to bad forensic evidence, occurred prior to 2006 – however, it is still acknowledged that the weight of forensic evidence and its importance in an equitable justice system cannot be ignored or downplayed. The data also reveals that malfeasance or intentional malicious actions by forensic scientists or justice professionals only accounts for a small percentage of these errors, which places the lens back toward training and education.

Since 2009, there have no remarkable efforts made to address these issues within educational programs or curricula; the perceived public appeal of crime scene investigation programs has led to an increase in offerings, but no notable or assessable increase in the quality or applicability of these offerings. Norco College’s current certificate in CSI is only a locally approved 15 credit certificate program. Over the course of the last two years, Dr. Matuszak conducted a thorough review of the program, its offerings, its courses, and industry and employer needs. This information was brought forth in discipline meetings and was then discussed in length at our Advisory Board meetings wherein they agreed that an overall was necessary.

Dr. Matuszak compiled over 110 formal job descriptions from local and state agencies for entry-level crime scene investigation positions (excluding positions that also required sworn peace officer status); the following was observed:

- 78.18% (n=86) of the positions have crime scene response and field work listed as a job responsibility/duty.

- 44.54% (n=49) of all entry-level job postings for crime scene investigation positions only required a high school diploma for education levels. (However, all stated further education was preferred).
- 37.27% (n=41) of all entry-level job postings for crime scene investigation positions required an associate degree in Administration of Justice or related fields.
- In reviewing experience, 21.81% (n=24) of entry-level positions did not specify any requirement for field experience.
- 56.36% (n=62) of entry level positions specified that between 1-3 years of experience was a requirement.
- Also, in reviewing the 110 job descriptions, 10.0% (n=11) specified a requirement for a specific amount of earned college credit in photography

Obtaining updated labor market data on the field was also identified as necessary: The California Employment Development Department (2020) and U.S. Bureau of Labor Statistics (2020) provided the following data:

Occupation: Forensic Science Technician

Wage Ranges		Job Growth (2016-2026)	Jobs Added (2016-2026)
California	\$65,935 - \$112,809	+ 15.0%	2,800
Inland Empire	\$65,546 - \$91,726	+ 15.8%	260
Median Wage: California		\$83,830	
Median Wage: Inland Empire		\$76,966	
Future Expectations:		Expected to grow faster than average growth rate for all occupations; expected to increase by 15.8% in the Inland Empire between 2016-2026.	
Nationwide 2019 Median Pay:		\$59,150	
Nationwide 2019 Number of Jobs:		17,200	
Job Outlook 2019-2029:		+ 14.0% (Much Faster than Average). Nationwide, California has the highest employment numbers for this occupation, as well as the highest paying positions for this occupation.	

Occupation: Investigators & Detectives

Wage Ranges		Job Growth (2016-2026)	Jobs Added (2016-2026)
California	\$91,902 - \$136,741	+ 4.8%	8,500
Inland Empire	\$96,950 - \$128,315	+ 5.1%	680
Median Wage: California		\$104,428	
Median Wage: Inland Empire		\$104,778	
Future Expectations:		Expected to grow slower than average growth rate for all occupations; expected increase statewide by 4.8%, 5.1% in the Inland Empire.	
Nationwide 2019 Median Pay:		\$65,170	
Nationwide 2019 Number of Jobs:		813,500	
Job Outlook 2019-2029:		+ 5.0% (Average).	

Both job descriptions and labor market data does not include the occupation of law enforcement officer, as many agencies hire civilians to work within this arena. However many of our law enforcement agencies have promotional opportunities within detective bureaus wherein the follow-up investigations take place.

Of the 110 regional and state job descriptions, the job responsibilities and duties were reviewed to determine the effectiveness and benefits of the existing curriculum in the CSI certificate. The first issue identified was that none of the entry-level positions within crime scene investigation specified a knowledge of osteology or forensic anthropology, so the inclusion of this course as a required course does not seem to have any benefit to students or employers within this specific certificate offering. Typically, when an investigation involves the need of a forensic anthropologist, a doctorate-level professional in forensic anthropology is consulted.

Required Documentation

Please submit this form and the documents outlined below to your college coordinator and the District Technical Review committee via TechReview@rccd.edu. Please do not submit your proposal until all of the documentation below is complete.

All Degrees and Certificates

- Evidence of district-wide discipline communication
- Department minutes showing approval
- Narrative (*see following page*)
- Transfer preparation documentation (*only if applicable*)

Degrees and Certificates of 8 Units or More with Vocational TOPs Codes

In addition to the above, all degrees and certificates of 8 units or more with a vocational TOPs code must include the following to be submitted to the State Chancellor's Office for approval.*

- Labor Market Information and Analysis (*Required for new programs and modifications.*)
- Advisory Committee Recommendation (*Required for new programs and may be required for modifications. Check with the curriculum coordinator at your college to determine if a new recommendation is necessary.*)
- Regional Consortium Recommendation (*Required for new programs only.*)

**Certificates between 8 and less than 16 units can be approved locally or can be submitted to the State Chancellor's Office for approval. Certificates of less than 8 units can only be approved locally. However, locally approved certificates will not appear on student transcripts.*

Program Narrative

Item 1. Program Goals and Objectives

This certificate program modification is designed to provide students with a state-approved certificate offering that also provides a strong evidence-based and industry-required set of technical skill and academic knowledge in criminal, forensic, crime scene investigation, and professionalism. The inclusion of courses with both fundamental and cutting-edge technical skill and workforce preparation systems will result in graduates of this program being skillful and trained legal and ethical professionals.

Item 2. Catalog Description

Certificate Title: Crime Scene Investigations

Certificate Description: This certificate is designed to provide a strong academic and skill building pattern of coursework to prepare participants to enter the professional field with the academic and technical knowledge and skills in the forensic and criminal investigative techniques used within crime scene investigations. The successful participant will gain sufficient skills and understanding of criminal investigative procedures, criminal and procedural law, legal aspects of evidence, criminalistics and forensic science, criminal investigations, professional communications, criminal justice report writing and legal analysis, and proper forensic evidence collection and handling procedures.

Program Learning Outcomes:

Upon successful completion of this program, students should be able to:

- Demonstrate advanced knowledge in the components of criminal law and the criminal justice system.
- Understand, analyze, and demonstrate advanced knowledge in Constitutional criminal law, civil rights, and the rules and legal aspects of criminal investigations, including rules of evidence, criminal procedure, and related case law.
- Demonstrate a proficient level of knowledge in evidence identification, collection, preservation, handling, custody, and chain of custody.
- Understand, analyze, and demonstrate a proficient skillset in professional communication, written and verbal, to meet industry needs for criminal justice professionals.
- Understand basic and intermediate forensic science principles and techniques and the relationship between proper field work and scientific analysis.

Item 3. Program Requirements

Includes course requirements and sequencing that reflect program goals. For degrees, the GE pattern and calculations used to reach the degree total must be shown following the program requirements table. Course titles and unit values must be exact.

Required Courses: 21 units

Course	Title	Units	Sequencing
ADJ-2	Principles & Procedures of the Justice System	3	Fall/Spring (Winter/Summer)
ADJ-3	Criminal law	3	Fall/Spring
ADJ-4	Evidence	3	Fall/Spring (Winter/Summer)
ADJ-12	Criminalistics **	3	Spring
ADJ-13	Criminal Investigation	3	Fall/Spring/Summer
ADJ-14	Advanced Criminal Investigations **	3	Fall
ADJ-27 or	Forensic and Crime Scene Photography ***	3	Unknown
PHO-27	Forensic and Crime Scene Photography		Unknown

Elective Courses: 0 units

Course	Title	Units	Sequencing

** = Lab Courses (12 Hours Each)

*** = Lab Course (54 Hours)

Total Program Units: 21 units

Item 4. Master Planning

The Administration of Justice Program aligns with the College’s Mission to inspire, challenge, and empower our diverse, multi-cultural community of student learners to realize their goals; promote citizenship, integrity, leadership, and global awareness; encourage academic excellence and professionalism.

In expanding and modifying our CSI Certificate, it would allow our student graduates to meet the knowledge and skills requirements for 88.18% (n=97) of 110 regional and state job descriptions.

We have one goal in mind: How to plan and manage curricula within our programs to best benefit our students and provide them with the necessary academic, technical, and employable skills to transition into higher than livable-wage careers and post-secondary education. This modification will also accompany submission to Curriculum for the certificate to receive state approval as well, which is a vital next step to legitimize our program.

This necessary modification takes a locally approved certificate that does not meet any known employer needs or industry standards and transforms it into a state approved certificate that provides opportunities for students who complete it to meet entry-level criteria for over 85% of job postings within the region and state.

Item 5. Enrollment and Completer Projections

Projection of number of students to earn certificate/degree annually.

The CSI Certificate program, as it currently exists, has never had a dedicated marketing/advertising plan in place and without any advertisement or marketing beyond a listing in the college catalog and on the website. With this, the program has still amassed students interested in the profession, despite the certificate only being locally approved and not designed to meet current industry needs at entry-level positions. With these modifications, there can now be a dedicated marketing to this program that advises students and potential students of the quality programming available within the CSI Certificate housed within the ADJ discipline.

Once the modification has gained approval and state recognition, the ADJ program can advertise a program that provides benefit to both students and employers, with an estimated growth rate of 3% within the first year, up to 5% in the next couple years.

Current data available showing students identifying ADJ as their program of study shows a gradual increase since 2016.

Program of Study	Fall 2016	Fall 2017	Fall 2018
Administration of Justice	194	153	60
Administration of Justice CSUGE	19	41	92
Administration of Justice IGETC	4	4	61
Administration of Justice: Crime Scene Investigation	159	140	182
Administration of Justice: Law Enforcement	14	15	4
Total	390	353	399

Program Awards Summary Report - Data & Format Area

Report Area				
	Program Awards Summary			
	Annual 2017-2018 Award Count	Annual 2018-2019 Award Count	Annual 2019-2020 Award Count	Annual 2020-2021 Award Count
<input type="checkbox"/> Norco College Total	9	31	40	47
Associate in Science for Transfer (A.S.-T) Degree	5	22	31	36
Associate of Science (A.S.) degree	1			1
Certificate requiring 18 to < 30 semester units	1			
Certificate requiring 16 to fewer than 30 semester units				1
Certificate requiring 6 to < 18 semester units	2	9	9	9

Our student interest in Crime Scene Investigations has doubled since last year. This semester, we added a second section of ADJ-13 in the Fall semester to meet student demands.

Item 6. Place of Program in Curriculum/Similar Programs

Must address how the certificate/degree fits in college’s existing inventory.

This certificate program already exists at Norco College. This proposal is to modify the program to meet and exceed local and regional industry needs. This modification will join the rest of the ADJ program offerings as a state-approved, research-backed, and cutting-edge educational offering.

Item 7. Similar Programs at Other Colleges in Service Area

Justification of need for certificate/degree in the region.

There are over 24 community colleges located within 50 miles of Norco College. A review of the curriculum and program offerings at each reveals that there are five of these 24 colleges that offer a similar certificate or specialization option in crime scene investigation: Riverside City College, Fullerton College, Victor Valley College, East LA College, and Long Beach City College. Riverside City College being the only college in our region.

The modification of the CSI Certificate places Norco College in a position to be the regional leader in ADJ education and competitiveness. Modifying to a state approved certificate with the additional course will validate our program and allow us to market the program in a more appropriate manner. It is also supported by the college having received a dedicated space for classroom and labs this past year with the anticipation that we will be growing in our ADJ program.

Item 8. Transfer Preparation Information (if applicable)

If transfer preparation is a component of the certificate/degree, please provide transfer preparation information

N/A. All ADJ courses (except the proposed ADJ-27) are already articulated individually to transfer to the CSU System and ADJ-3 transfers to the UC system as well.

Program Outline

Title: Crime Scene Investigation

Moreno Valley College **Norco College** **Riverside City College**
 (Please note: All degrees and certificates are college specific. If multiple colleges wish to adopt this degree or certificate, a separate proposal and college specific supporting documents are required.)

TOPs Code: 2105.40 Forensics, Evidence, and Investigation

CIP Code: 43.0406 Forensic Science and Technology

Type of Program:

Certificate of Achievement only Associate’s Degree only Certificate and Degree

Type of Associate Degree: Associate of Arts Associate of Science

This is a: New certificate/degree Modification to an existing certificate/degree

If this is a modification to an existing certificate/degree, please specify the changes being made:
 (Please be specific! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

The existing CSI Certificate is only a locally approved certificate program that was created to consist of 5 classes; it is unknown the rationale or logic used in determining these courses. The existing certificate program, which is 15 credits, consists of the following classes:

ADJ-2	Principles & Procedures of the Justice System	3 Units
ADJ-3	Criminal Law	3 Units
ADJ-13	Criminal Investigation	3 Units
ADJ-14	Advanced Criminal Investigation	3 Units
ANT-10	Forensic Anthropology	3 Units

In 2019, a minor modification was made to the certificate after discussion over the unnecessary inclusion of ANT-10 while other, more industry-applicable courses, were not included. This small modification was made where ANT-10 was not excluded, but instead ADJ-12 Criminalistics was added as an option for students (making the certificate offer an elective for students between ANT-10 or ADJ-12).

This modification is not nearly enough for this program to provide students the opportunities needed to be competitive within the industry or to even seek out employment opportunities within the discipline. The new certificate proposal both adds courses and removes ANT-10 from the required course listing.

Rationale:

(Please note: This information will be presented to the Board of Trustees.)

In 2009, the National Research Council - Committee on Identifying the Needs of the Forensic Science Community published the landmark “Strengthening Forensic Science in the United States: A Path Forward.” This report included both deficiencies and potential solutions for a myriad of problems in the forensic science arena. In specifically addressing education programs, the National Research Council (2009) states:

Training should move away from reliance on the apprentice-like transmittal of practices to education at the college level and beyond that is based on scientifically valid principles...Forensic science education and training must provide the tools needed to understand the probabilities and the limits of decision making under conditions of uncertainty. To correct some of the existing deficiencies, the starting place must be

better undergraduate and graduate programs, as well as increased opportunities for continuing education. Legitimizing practices in the forensic science disciplines must be based on established scientific knowledge, principles, and practices, which are best learned through formal education and training and the proper conduct of research. (p. 217).

Further, the report also addresses the recognition that “demand for more and better-skilled forensic science practitioners is rising at both macro and micro levels” (National Research Council, 2009, p. 218). A fundamental aspect of the report is the National Research Council’s (2009) establishment that forensic science education in the United States is notably problematic: “The overarching challenges facing forensic science education, since its inception, have been inconsistent quality and insufficient funding. Commentators have noted repeatedly the deficiencies of forensic science education programs...If forensic science education programs had sufficient rigor in science, law, and forensics, crime laboratories would have to spend less time and money for training” (p. 224). Further still, false or misleading forensic evidence is a contributory factor in a large percentage of investigations and convictions that are later found to have been mishandled; the Innocence Project claims 46% of false convictions are the result of poor forensic evidence; LaPorte (2017) questions some of the data analysis provided by the Innocence Project, as well as identifying that a large portion of false convictions due to bad forensic evidence, occurred prior to 2006 – however, it is still acknowledged that the weight of forensic evidence and its importance in an equitable justice system cannot be ignored or downplayed. The data also reveals that malfeasance or intentional malicious actions by forensic scientists or justice professionals only accounts for a small percentage of these errors, which places the lens back toward training and education.

And yet, since 2009, there have no remarkable efforts made to address these issues within educational programs or curricula; the perceived public appeal of crime scene investigation programs has led to an increase in offerings, but no notable or assessable increase in the quality or applicability of these offerings. RCC’s current certificate in CSI is only a locally approved 15 credit certificate program; it was past time to conduct a thorough review of the program, its offerings, its courses, and industry and employer needs. Dr. Matuszak compiled over 110 formal job descriptions from local and state agencies for entry-level crime scene investigation positions (excluding positions that also required sworn peace officer status); the following was observed:

- 78.18% (n=86) of the positions have crime scene response and field world listed as a job responsibility/duty.
- 44.54% (n=49) of all entry-level job postings for crime scene investigation positions only required a high school diploma for education. (However, all (100%) stated further education was preferred).
- 37.27% (n=41) of all entry-level job postings for crime scene investigation positions required an associate degree in Administration of Justice or related fields.
- 14.67% (n=16) of all entry-level job postings for CSI positions required a bachelor’s degree in Administration of Justice or related fields.
 - Only 6.36% (n=7) of positions required a college major in a natural science and not ADJ.
- In reviewing experience, 21.81% (n=24) of entry-level positions did not specify any requirement for field experience.
- 56.36% (n=62) of entry-level positions specified that between 1-3 years of experience was a requirement.
- 11.92% (n=13) of entry-level positions required between 4-6 years of experience.
- 0.90% (n=1) of the positions required over 7 years of experience.
- 10.0% (n=11) had a specific requirement for earned college credit in photography.

Obtaining updated labor market data within the industry was also vital in the review; the California Employment Development Department (2020) and the U.S. Bureau of Labor Statistics (2020) provided the following data:

Occupation: Forensic Science Technician			
	Wage Ranges	Job Growth (2016-2026)	Jobs Added (2016-2026)
California	\$65,935 - \$112,809	+ 15.0%	2,800
Inland Empire	\$65,546 - \$91,726	+ 15.8%	260

Program Outline of Record Credit Degrees and Certificates

Median Wage: California	\$83,830
Median Wage: Inland Empire	\$76,966
Future Expectations:	Expected to grow faster than average growth rate for all occupations; expected to increase by 15.8% in the Inland Empire between 2016-2026.
Nationwide 2019 Median Pay:	\$59,150
Nationwide 2019 Number of Jobs:	17,200
Job Outlook 2019-2029:	+ 14.0% (Much Faster than Average). Nationwide, California has the highest employment numbers for this occupation, as well as the highest paying positions for this occupation.

Occupation: Investigators & Detectives			
	Wage Ranges	Job Growth (2016-2026)	Jobs Added (2016-2026)
California	\$91,902 - \$136,741	+ 4.8%	8,500
Inland Empire	\$96,950 - \$128,315	+ 5.1%	680
Median Wage: California	\$104,428		
Median Wage: Inland Empire	\$104,778		
Future Expectations:	Expected to grow slower than average growth rate for all occupations; expected increase statewide by 4.8%, 5.1% in the Inland Empire.		
Nationwide 2019 Median Pay:	\$65,170		
Nationwide 2019 Number of Jobs:	813,500		
Job Outlook 2019-2029:	+ 5.0% (Average).		

This data collection (both job description and labor market data) did not include the occupation of sworn peace officer/law enforcement officer, as many agencies hire civilian positions to work within crime scene investigation; however, not all agencies do, and many also provide for experience/education substitutions for professionals with prior law enforcement experience. However, including these datasets would not provide clarity for this specific proposal, although the reader should be aware this is another avenue of professional opportunity for students that is just not included in this proposal.

Of the 110 regional and state job descriptions, all job responsibilities and duties were reviewed to determine the effectiveness and benefits of the existing curriculum in the CSI certificate. The first issue identified was that none of the entry-level positions specified a need for knowledge of osteology or forensic anthropology, so the inclusion of ANT-10 as a course does not seem to have any direct benefit to students or employers. It was determined through this review that a more applicable and effective Crime Scene Investigation certificate would include additional course loads to expand knowledge and technical training opportunities and further increasing student employability and competitiveness by meeting or exceeding entry-level requirements. This also needed to be coupled with a course selection that provides for industry-identified and research-supported skills and knowledge necessary for professionals within the field.

Required Documentation

Please submit this form and the documents outlined below to your college coordinator and the District Technical Review committee via TechReview@rccd.edu. Please do not submit your proposal until all of the documentation below is complete.

All Degrees and Certificates

- Discipline and Department minutes showing approval

- Narrative (*see following page*)
- Transfer preparation documentation (*only if applicable*)

Degrees and Certificates of 8 Units or More with Vocational TOPs Codes

In addition to the above, all degrees and certificates of 8 units or more with a vocational TOPs code must include the following to be submitted to the State Chancellor's Office for approval.*

- Labor Market Information and Analysis (*required for new programs and modifications*)
- Advisory Committee Recommendation (*required for new programs and modifications*)
- Regional Consortium Recommendation (*required for new programs only*)

**While certificates between 8 and less than 16 units can be approved locally and are not required to be submitted to the State Chancellor's Office for approval, certificates that have not been approved by the State Chancellor's Office cannot appear on student transcripts and the college cannot receive apportionment for program completions. Additionally, any certificate of less than 8 units can only be approved locally. These certificates also cannot appear on student transcripts and colleges cannot receive apportionment for completion.*

DRAFT

Program Narrative

Item 1. Program Goals and Objectives

For programs with a vocational TOPs code, must address a valid workforce preparation purpose. For programs with a non-vocational TOPs code, must address a valid workforce preparation, basic skills, civic education, or local purpose. May address transfer preparation if applicable.

This certificate program modification is designed to provide students with a state-approved certificate offering that also provides a strong evidence-based and industry-required set of technical skill and academic knowledge in criminal, forensic, and crime scene investigation and professionalism. The inclusion of courses with both fundamental and cutting-edge technical skill and workforce preparation systems will result in graduates of this program being skillful and trained legal and ethical professionals.

Item 2. Catalog Description

Includes program requirements, prerequisite skills or enrollment limitations, program learning outcomes, and information relevant to program goal.

Certificate Title: Crime Scene Investigation

Certificate Description: This certificate is designed to provide a strong academic and skill-building pattern of coursework to prepare participants to enter the professional field with academic and technical knowledge and skill in the forensic and criminal investigative techniques used within crime scene investigations. The successful participant will gain sufficient skill and understanding of criminal investigative procedure, criminal and procedural law, legal aspects of evidence, criminalistics and forensic science, criminal investigations, professional communications and criminal justice report writing and legal analysis, and proper forensic evidence collection and handling procedures.

Program Learning Outcomes: Upon successful completion of this program, students should be able to:

- Demonstrate advanced knowledge in the components of criminal law and the criminal justice system.
- Understand, analyze, and demonstrate advanced knowledge in Constitutional criminal law, civil rights, and the rules and legal aspects of criminal investigations, including rules of evidence, criminal procedure, and related case law.
- Demonstrate a proficient level of knowledge in evidence identification, collection, preservation, handling, custody, and chain of custody.
- Understand, analyze, and demonstrate a proficient skillset in professional communication, written and verbal, to meet industry needs for criminal justice professionals.
- Understand basic and intermediate forensic science principles and techniques and the relationship between proper field work and scientific analysis.

Item 3. Program Requirements

Includes course requirements and sequencing that reflect program goals. For degrees, the GE pattern and calculations used to reach the degree total must be shown following the program requirements table. Course titles and unit values must be exact.

Required Courses: 21 units

Course	Title	Units	Sequencing
ADJ-2	Principles & Procedures of the Justice System	3 Units	Fall/Spring (Winter/Summer)
ADJ-3	Criminal Law	3 Units	Fall/Spring
ADJ-4	Legal Aspects of Evidence	3 Units	Fall/Spring (Winter/Summer)
ADJ-12	Criminalistics	3 Units	Fall
ADJ-13	Criminal Investigations	3 Units	Fall/Spring
ADJ-14	Advanced Criminal Investigations	3 Units	Spring
PHO-XX or ADJ-XX	Forensic & Crime Scene Photography	3 Units	Unknown

Elective Courses: 3 units (Students will select one of the following options):

Course	Title	Units	Sequencing
ADJ-24	Interviewing & Interrogation	3 Units	Unknown
ADJ-31	Cybercrime & Digital Forensics	3 Units	Unknown
CIS-27A	Computer Forensics Fundamentals	3 Units	Fall/Spring

Total Program Units: 24 units

Item 4. Master Planning

Must address how the certificate/degree fits in the mission, curriculum, and master planning of the college and higher education in California.

The Mission, Vision, Values, & Strategic Themes of the Riverside Community College District includes a Mission Statement of serving and enriching “our diverse communities by providing a comprehensive program of educational opportunities that promote access, success, and equity.” (Steinback et al., 2018, p. 2).

This necessary modification takes a locally approved certificate that does not meet any known employer needs or industry standards and transforms it into a state approved certificate that provides opportunities for students who complete it to meet entry-level criteria for over 85% of job postings within the region and state. The Criminalistics Learning Laboratory on campus, located in QD16,

Item 5. Enrollment and Completer Projections

Projection of number of students to earn certificate/degree annually.

The CSI Certificate program, as it currently exists, has never had a dedicated marketing/advertising plan in place and without any advertisement or marketing beyond a listing in the college catalog and on the website. With this, the program has still amassed students interested in the profession, despite the certificate only being locally approved and not designed to meet current industry needs at entry-level positions. With these modifications, there can now be a dedicated marketing to this program that advises students and potential students of the quality programming available within the CSI Certificate housed within the ADJ discipline.

Further, the lack of a formal structure to the certificate has led to LHSS and Behavioral Sciences in particular not providing more options for courses to assist with the pathway of the certificate; limited class sections have played a large role in the completion rates of students within this certificate, alongside the changes within the past 18 months due to COVID and pandemic-related changes. Data on the students within the program has been piecemeal as well, due to the certificate remaining a locally approved certificate not tracked like other programs through Institutional Effectiveness; the last data provided to ADJ on the certificate advised over 200 students were enrolled in the current CSI certificate offering (circa 2019). Once the modification has gained approval and state recognition, the ADJ program can begin finally advertising a program that provides benefit to both students and employers, with an estimated growth rate of 3% within the first year, up to 5% in the next couple years. These modifications and state approval will also provide for RCC to begin finally tracking data in a more complete manner for students enrolled in this program to look at success, completion, and retention rates.

Item 6. Place of Program in Curriculum/Similar Programs

Must address how the certificate/degree fits in college’s existing inventory.

This certificate program already exists at RCC and has existed for over 10 years as an offering; this proposal is to modify the program to meet and exceed local and regional industry needs. This modification will join the rest of the ADJ program offerings as a state-approved, research-backed, and cutting-edge educational offering.

Item 7. Similar Programs at Other Colleges in Service Area

Justification of need for certificate/degree in the region.

There are over 22 community colleges located within 50 miles of RCC (not including Norco College and Moreno Valley College). A review of the curriculum and program offerings at each reveals that there are four of these 22 that offer a similar certificate or specialization option in crime scene investigation: Fullerton College, Victor Valley College, East LA College, and Long Beach City College.

Fullerton College offers a certificate in Crime Scene Investigation Skills, consisting of 16.5 units:

Course	Name	Units
AJ 092 F	Crime Scene Investigation	1
AJ 093 F	DNA Genetic Fingerprinting	0.5
AJ 151 F	Police Report Writing	3
AJ 222 F	Rules of Evidence	3
AJ 223 F	Criminal Investigation	3
AJ 230 F	Crime Scene Techniques	3
PHOT 111 F	Introduction to Photography-Analog to Digital	3
Total Units:		16.5

Victor Valley College offers a Certificate of Career Preparation in Forensic Specialist, consisting of 3.5 units:

Course	Name	Units
CJ 67	Crime Scene Investigation	3.5
Total Units:		3.5

Program Outline of Record Credit Degrees and Certificates

Victor Valley College also offers a 15.5-unit Certificate of Career Preparation in Police Technician Specialist, which they market as preparation for students looking to work as a Forensic Specialist or Evidence Technician:

Course	Name	Units
CJ 67	Crime Scene Investigation	3.5
CJ 92	Writing for Criminal Justice	3.0
CJ 93	Traffic Enforcement & Investigation	3.0
CJ 103	Criminal Law	3.0
CJ 201	Community & the Justice System	3.0
Total Units:		15.5

East Los Angeles College offers a 17-unit certificate in Forensic Crime Scene Investigation:

Course	Name	Units
ADM JUS 005	Criminal Investigation	3.0
ADM JUS 172	Criminalistics I	3.0
ADM JUS 173	Criminalistics II	3.0
ADM JUS 174	Offender Profiling in Criminal Investigations	3.0
ADM JUS 285	Directed Studies in ADJ	2.0
ADM JUS 428	Ethics in Forensic Science	3.0
Total Units:		17.0

Long Beach City College offers a 15-unit certificate in Criminal Forensics:

Course	Name	Units
ADJUS 6	Introduction to Evidence	3.0
ADJUS 8	Introduction to Investigation	3.0
ADJUS 19	Fingerprint Classification & Identification	3.0
ADJUS 255	Introduction to Forensics	3.0
In addition, complete one (1) course from the following:		
ADJUS 3	Criminal Procedures	3.0
ADJUS 4	Criminal Law	3.0
ADJUS 10	Writing for Criminal Justice	3.0
ADJUS 17	Computer Usage in Criminal Justice	3.0
Total Units:		15.0

In reviewing the similar offerings within 50 miles of RCC, it is clear that many other offerings include unnecessary courses (taking up student time and money with no clear ROI); further, none of the programs provide any information on employment or community partnerships or internship opportunities within these programs, and it is unknown whether these offerings are locally-approved or state-approved certificate offerings. The modification of the CSI Certificate to this proposal places RCC in the position to again be the regional leader in ADJ education and competitiveness, and also allows the program to be marketed to potential students and employers as such as well.

Item 8. Transfer Preparation Information (if applicable)

If transfer preparation is a component of the certificate/degree, please provide transfer preparation information.

N/A. All ADJ courses (except the proposed ADJ-27) are already articulated individually to transfer to the CSU System (and ADJ-1 and ADJ-3 transfer to the UC system as well).

DRAFT

Program Outline

**Title: Computer Applications
(Degree and Certificate) - MAS726/MCE726**

Moreno Valley College **Norco College** **Riverside City College**
(Please note: All degrees and certificates are college specific. If multiple colleges wish to adopt this degree or certificate, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0702.10 **CIP Code:** 11.0800

Type of Program:

Certificate of Achievement only Associate’s Degree only Certificate and Degree

Type of Associate Degree:

Associate of Arts Associate of Science

This is a:

New certificate/degree Modification to an existing certificate/degree
 Modification to an existing local certificate

If this is a modification to an existing certificate/degree, please specify the changes being made:
(Please be specific! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Rationale:

The modification of Computer Applications and Office Technology certificate and degree address the removal of deleted courses, CIS-84 – Word Processing: Word Perfect for Windows, removal cross-listed CAT-54A and change of CIS-54A course title. These changes will impact the elective options of the certificate and degree, which does not impose any changes to program over objectives, units or learning outcomes. Course removal and title change are the result of outdated technology course content.

Required Documentation

Please submit this form and the documents outlined below to your college coordinator and the District Technical Review committee via TechReview@rccd.edu. Please do not submit your proposal until all of the documentation below is complete.

All Degrees and Certificates

- Discipline
- Department minutes showing approval
- Narrative *(see following page)*
- Transfer preparation documentation *(only if applicable)*

Degrees and Certificates of 8 Units or More with Vocational TOPs Codes

In addition to the above, all degrees and certificates of 8 units or more with a vocational TOPs code must include the following to be submitted to the State Chancellor’s Office for approval.*

- Labor Market Information and Analysis *(required for new programs and modifications; also be recent, within 2 years).*-
- Advisory Committee Recommendation *(Required for new programs and may be required for modifications. Check with the curriculum coordinator at your college to determine if a new recommendation is necessary.)*
- Regional Consortium Recommendation *(required for new programs only)*

Program Narrative

Item 1. Program Goals and Objectives

For programs with a vocational TOPs code, must address a valid workforce preparation purpose. For programs with a non-vocational TOPs code, must address a valid workforce preparation, basic skills, civic education, or local purpose. May address transfer preparation if applicable.

This program prepares individuals to perform basic data and text entry using standard and customized software products. This includes instruction in keyboarding skills, personal computer, and workstation operation, reading draft texts and raw data forms, and various interactive software programs used for tasks such as word processing, spreadsheets, databases, and others.

Program Learning Outcomes

Upon successful completion of this program, students should be able to:

- Describe and use operating system software.
- Describe and use Word processing software.
- Write structured programs using C++ or Java.
- Describe and use graphics software to manipulate digital images.
- Describe and use database software to construct 3NF databases.
- Construct a visually appealing web site including database structures within the design.
- Design and use spreadsheets that have embedded equations/ formulas utilizing different data types.

Item 2. Catalog Description

Includes program requirements, prerequisite skills or enrollment limitations, program learning outcomes, and information relevant to program goal.

This program prepares individuals to perform basic data and text entry using standard and customized software products. This includes instruction in keyboarding skills, personal computer, and workstation operation, reading draft texts and raw data forms, and various interactive software programs used for tasks such as word processing, spreadsheets, databases, and others.

Program Learning Outcomes

Upon successful completion of this program, students should be able to:

- Describe and use operating system software.
- Describe and use Word processing software.
- Write structured programs using C++ or Java.
- Describe and use graphics software to manipulate digital images.
- Describe and use database software to construct 3NF databases.
- Construct a visually appealing web site including database structures within the design.
- Design and use spreadsheets that have embedded equations/ formulas utilizing different data types.

Required Courses: 16.5-17.5 units

Course	Title	Units	Sequencing
CIS-1A	Introduction to Computer Information Systems	3	Semester 1, Fall
CIS-1B	Advanced Concepts in of Computer Information Systems	3	Semester 2, Spring
CIS/CSC-5	Programming Concepts and Methodology I: C++	4	Semester 1, Fall
Or			
CIS/CSC-28A	MS Access Programming	3	Semester 2 Spring
CIS/CSC-21	Introduction to Operating Systems	3	Semester 2, Spring
CIS-95A	Introduction to the Internet -- Living Online	1.5	Semester 1, Fall
CAT-31	Business Communications Fundamentals	3	Semester 3, Spring
Or			
BUS-22	Management Communications	3	Semester 3, Spring
Or			
BUS-24	Business Communication	3	Semester 3, Spring

Elective 1 Courses: 1.5- 4.0 units

Course	Title	Units	Sequencing
CIS/CSC-2	Fundamentals of System Analysis	3	Semester 3, Spring
CIS/CSC-25	Information and Communication Technology Essentials	4	Semester 3, Spring
CIS/CSC-61	Introduction to Database Theory	3	Semester 3, Spring
CIS/CAT-80	Word Processing: Microsoft Word for Windows	3	Semester 3, Spring
CIS/CAT-98B	Advanced Excel	1.5	Semester 3, Spring

Elective 2 Courses: 3.0-6.0 units

Course	Title	Units	Sequencing
CIS/CSC-12	PHP Dynamic Web Site Programming	3	Semester 3, Spring
CIS/CSC-14A	Web Programming: JavaScript	3	Semester 3, Spring
CIS-14B	Web Programming: Active Server Pages	3	Semester 3, Spring
CIS-54A	Introduction to Animate	3	Semester 3, Spring
CIS-56A	Designing Web Graphics	3	Se.0mester 3, Spring
CIS-72A	Introduction to Web Page Creation	1.5	Semester 3, Spring
CIS-72B	Intermediate Web Page Creation Using Cascading Style Sheet (CSS)	1.5	Semester 3, Spring
CIS-76A	Introduction to Microsoft Expression Web	3	Semester 3, Spring
CIS-76B	Introduction to DreamWeaver	3	Semester 3, Spring
CIS/CAT-78A	Introduction to Adobe Photoshop	3	Semester 3, Spring
CIS/CAT-79	Introduction to Adobe Illustrator	3	Semester 3, Spring
CIS/CAT-81	Introduction to Desktop Publishing using Adobe InDesign	3	Semester 3, Spring

Total Program Units: (21- 27.5) .

The Associate of Science Degree in Computer Applications will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.

Item 3. Program Requirements

Includes course requirements and sequencing that reflect program goals. For degrees, the GE pattern and calculations used to reach the degree total must be shown following the program requirements table. Course titles and unit values must be exact.

Required Courses: 16.5-17.5 units

Course	Title	Units	Sequencing
CIS-1A	Introduction to Computer Information Systems	3	Semester 1, Fall
CIS-1B	Advanced Concepts in of Computer Information Systems	3	Semester 2, Spring
CIS/CSC-5	Programming Concepts and Methodology I: C++	4	Semester 1, Fall
Or			
CIS/CSC-28A	MS Access Programming	3	Semester 2 Spring
CIS/CSC-21	Introduction to Operating Systems	3	Semester 2, Spring
CIS-95A	Introduction to the Internet -- Living Online	1.5	Semester 1, Fall
CAT-31	Business Communications Fundamentals	3	Semester 3, Spring
Or			
BUS-22	Management Communications	3	Semester 3, Spring
Or			
BUS-24	Business Communication	3	Semester 3, Spring

Elective 1 Courses: 1.5- 4.0 units

Course	Title	Units	Sequencing
CIS/CSC-2	Fundamentals of System Analysis	3	Semester 3, Spring
CIS/CSC-25	Information and Communication Technology Essentials	4	Semester 3, Spring
CIS/CSC-61	Introduction to Database Theory	3	Semester 3, Spring
CIS/CAT-80	Word Processing: Microsoft Word for Windows	3	Semester 3, Spring
CIS/CAT-98B	Advanced Excel	1.5	Semester 3, Spring

Elective 2 Courses: 3.0-6.0 units

Course	Title	Units	Sequencing
CIS/CSC-12	PHP Dynamic Web Site Programming	3	Semester 3, Spring
CIS/CSC-14A	Web Programming: JavaScript	3	Semester 3, Spring
CIS-14B	Web Programming: Active Server Pages	3	Semester 3, Spring
CIS-54A	Introduction to Animate	3	Semester 3, Spring
CIS-56A	Designing Web Graphics	3	Se.0mester 3, Spring

CIS-72A	Introduction to Web Page Creation	1.5	Semester 3, Spring
CIS-72B	Intermediate Web Page Creation Using Cascading Style Sheet (CSS)	1.5	Semester 3, Spring
CIS-76A	Introduction to Microsoft Expression Web	3	Semester 3, Spring
CIS-76B	Introduction to DreamWeaver	3	Semester 3, Spring
CIS/CAT-78A	Introduction to Adobe Photoshop	3	Semester 3, Spring
CIS/CAT-79	Introduction to Adobe Illustrator	3	Semester 3, Spring
CIS/CAT-81	Introduction to Desktop Publishing using Adobe InDesign	3	Semester 3, Spring

Total Program Units: 21- 27.5

The Associate of Science Degree in Computer Applications will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.

Minimum Degree Units		Maximum Degree Units	
Minimum Required Units	16.5	Maximum Required Units	17.5
Minimum Elective Units	4.5	Maximum Elective Units	10
Local GE Required Units	27	CSUGE Required Units	39
Double Counted Units	4	Double Counted Units	0
Total Minimum Degree Units	60	Total Maximum Degree Units	66.5

Item 4. Master Planning

The modification of this certificate and degree will not negatively impact the master plan as this certificate/degree is actively being offered at Moreno Valley College. This program update provides students with relevant technology for their career in the industry.

Item 5. Enrollment and Completer Projections

Required courses:

- CIS-1A 49 students
- CIS-1B 49 students
- CIS/CSC-5 49 students
- Or CIS/CSC-28A 49 students
- CIS/CSC-21 49 students
- CIS-95A 49 students
- CAT-31 49 students
- Or BUS-22 49 students
- Or BUS-24 49 students

Elective 1 Courses:

- CIS/CSC-2 49 students
- CIS/CSC-25 49 students
- CIS/CSC-61 49 students

CIS/CAT-80 49 students
CIS/CAT-98B 49 students

Elective 2 Courses:

CIS/CSC-12 49 students
CIS/CSC-14A 49 students
CIS/CSC-14B 49 students
CIS-54A 49 students
CIS-56A 49 students
CIS-72A 49 students
CIS-72B 49 students
CIS-76A 49 students
CIS-76B 49 students
CIS/CAT-78A 49 students
CIS/CAT-79 49 students
CIS/CAT-81 49 students

Item 6. Place of Program in Curriculum/Similar Programs

This is an active program at MVC. This is an update to an existing active certificate and degree at MVC.

Item 7. Similar Programs at Other Colleges in Service Area

RCC and Norco also offer the same program.

Item 8. Transfer Preparation Information (if applicable)