RCCD | **RIVERSIDE COMMUNITY COLLEGE DISTRICT**

MORENO VALLEY COLLEGE | NORCO COLLEGE | RIVERSIDE CITY COLLEGE

District Technical Review Committee
Meeting Agenda

Tuesday, September 7, 2021	**2:30-4:00pm**	**CAADO 209/Zoom**

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

Zoom Information
https://cccconfer.zoom.us/j/93359789226
+1 669 900 6833 (US Toll)
Meeting ID: 933 5978 9226

Agenda and Minutes

1. Approval of Agenda
2. Approval of Minutes - June 1, 2021

Action Items

1. Curriculum Proposals

Discussion Items

1. CIS-25 Unit Error – Casandra Greene
2. Meta Updates – Bryan Nicol
3. General Education Itemization Status Update – Bryan Nicol
4. ART/AHS in Degree Audit – Bryan Nicol

Program Documentation

1. New Programs
   a. Norco – Essential 3D Tour
   b. Norco – Essential Revit

    c. Moreno Valley – Data Analytics
    d. Norco – Essential CAD
    e. Norco – Essential Fusion 360
    f. Norco – Essential SolidWorks
    g. Moreno Valley – Data Science
    h. Moreno Valley – Crime and Intelligence Analysis
    i. Moreno Valley – Emergency Management and Homeland Security
    j. Moreno Valley – Emergency Management and Homeland Security – Cybersecurity
    k. Moreno Valley – Emergency Management and Homeland Security – Emergency Medical Services
    l. Moreno Valley – Emergency Management and Homeland Security – Fire Technology
    m. Moreno Valley – Emergency Management and Homeland Security – Leadership
    n. Moreno Valley – Emergency Management and Homeland Security – Law Enforcement

2. Program Modifications
    a. Riverside – Registered Nursing
    b. Riverside – Paralegal Studies
    c. Riverside – Vocational Nursing
    d. Riverside – Welding Technology

Notice is Hereby Given That Pursuant to Executive Order N-29-20 and N-08-21 the Riverside Community College District Technical Review Committee will meet on September 7, 2021 via Zoom Conferencing.

Consistent with Executive Order N-29-20 and N-08-21 and Government Code sections 54953.2, 54954.1, 54954.2, and 54957.5, 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.

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, 15, 26, 28, 29, 31, 34
Political Science: 1, 1H, 5

B2
American Sign Language: 22
Anthropology: 1L, 2, 2H, 3, 4, 5, 6, 7, 8, 10, 16
Arabic: 11, 11H
Chemistry: 17
Chinese: 11
Communications: 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
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, 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
Foreign Languages: American Sign Language: 1, 2, 3, 4
                       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:
Communication Studies: 1, 1H, 9, 9H
Computer Information Systems: 1A, 1B, 2, 3, 4, 5, 7, 8, 11, 12, 14A, 14B, 17A, 17B, 17C, 18A, 18B, 18C, 20, 21, 21A, 21B, 21C, 22, 25, 26A, 26B, 26C, 26D, 26F, 27, 27A, 27B, 27C, 28A, 30A, 30B, 30C, 30D, 30E
Computer Science: 2, 5, 6, 7, 8, 11, 12, 14A, 17A, 17B, 17C, 18A, 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
Academic Literacy and Reading: 4

E. Health Education and Self Development (5 units)

1. Health Education (3 units) Biology 35/Health Science 1
   NOTE: Students are exempts 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, 29, 42, 47
Music: 48, 49, 59, 60, 61, 66

Option 2:
Guidance: 47, 48
Kinesiology: 4, 30, 35, 36, 38
Academic Literacy and Reading: 3

Disciplines Pending:

Academic Literacy and Reading
Architecture
Art
Art History
Biology/Heath Sciences (Area E only)
Communication Studies
Computer Information Systems
Computer Science
Dance
Early Childhood Education
Economics
Ethnic Studies

FTV
Game Development
Guidance
History
Human Services
Kinesiology
Military Science
Photography
Political Science
Psychology
Sociology

Technical Review - Curriculum Proposals

Proposals for 09/07/2021

Courses

Course Deletions

			M	N	R	Notes
	CAT 3	Computer Applications for Business	☑	☑	☑	
	CAT 54A	Introduction to Flash	☑	☐	☐	
H	CAT 84	Word Processing: WordPerfect for Windows	☐	☐	☑	
		Awaiting program modifications - RIV Paralegal and MOV Computer Applications.				
	CIS 3	Computer Applications for Business	☑	☑	☑	
H	CIS 84	Word Processing: WordPerfect for Windows	☐	☐	☑	
		Awaiting program modifications - RIV Paralegal and MOV Computer Applications.				
	SCE 805	Creative Writing for Older Adults	☐	☐	☑	
	SCE 824	Successful Money Management	☐	☐	☑	
	SCE 833	Health Wellness and Nutrition for Older Adults	☐	☐	☑	
	SCE 834	Weight Management for Older Adults	☐	☐	☑	

Course Inclusions

			M	N	R	Notes
	CIS 63	Introduction to Structured Query Language (SQL)	☑	☐	☐	

Course Major Modifications

			M	N	R	Notes
	CIS 30A	Introduction to Python Programming	☑	☑	☑	
	CIS 30B	Python Programming in Networking	☑	☑	☐	
	CIS 30C	Python Programming in Cybersecurity	☑	☑	☐	
	CIS 30D	Python Programming for Internet of Things (IoT)	☑	☑	☐	
	CIS 30E	Advanced Python Programming	☑	☑	☐	
	CUL 36	Introduction to Culinary Arts	☐	☐	☑	
	CUL 37	Intermediate Culinary Arts	☐	☐	☑	
	CUL 38	Advanced Culinary Arts	☐	☐	☑	
H	ESL 65	American Classroom Culture	☑	☑	☑	
		Content is one level. Entrance skills may need to be reviewed. NOR has been added.				
H	ESL 95	Pronunciation and Accent Reduction	☑	☑	☑	
		Content is one level. Only has one SLO, but may be appropriate for the course. Entrance skills may need to be reviewed. MOV has been added.				

Courses

Course Major Modifications

Code	Title	M	N	R	Notes
HLS 50	Developing a Personal Philosophy of Leadership and Ethics	☑	☐	☐	
HLS 51	Leading Others Ethically	☑	☐	☐	
HLS 52	Ethical Leadership in Organizations	☑	☐	☐	
HLS 53	Ethics and the Challenge of Leadership	☑	☐	☐	
NRN 11	Foundations of Nursing Practice Across the Lifespan	☐	☐	☑	
NRN 12	Acute and Chronic Medical-Surgical Nursing Across the Lifespan and Maternity Nursing	☐	☐	☑	
NRN 14	Health Promotion and Wellness Across the Lifespan	☐	☐	☑	
NRN 21	Acute Adult Medical-Surgical and Mental Health Nursing	☐	☐	☑	
NRN 22	Advanced Medical-Surgical Nursing Across the Lifespan and Acute Pediatrics	☐	☐	☑	
NVN 52	Introductory Concepts of Vocational Nursing - Nursing Fundamentals	☐	☐	☑	
NVN 60	Intermediate Vocational Nursing Foundations-Nursing Process	☐	☐	☑	
NVN 61	Intermediate Concepts of Vocational Nursing-Care of the Family	☐	☐	☑	
NVN 62	Intermediate Concepts of Vocational Nursing-Medical/Surgical	☐	☐	☑	
NVN 63	Intermediate Concepts of Vocational Nursing - Mental Health	☐	☐	☑	
NVN 70	Advanced Vocational Nursing Foundations-Role Transition	☐	☐	☑	
NVN 71	Advanced Vocational Nursing Foundations-Medical/Surgical	☐	☐	☑	

Distance Education

Code	Title	M	N	R	Notes
CIS 22DE	Systems Auditing	☑	☐	☐	
CIS 4DE	Practical Computer Security	☑	☐	☑	

New Courses

Code	Title	M	N	R	Notes
ARE 62	Print Reading for Construction	☐	☑	☐	

Courses

New Courses

		M	N	R	Notes
ARE 63	3D Tour, Virtual, Mixed, Augmented and Extended Reality	☐	☑	☐	
CIS 48A	Introduction to Cloud Computing	☑	☐	☑	
CIS 68A	Introduction to Machine Learning	☑	☐	☑	
CIS 68B	Big Data Fundamentals	☑	☐	☑	
CIS 70A	Foundations of Data Science	☑	☐	☑	
CIS 848A	Cloud Computing Fundamentals	☑	☐	☐	
CIS 87A	Introduction to IT Project Management	☑	☐	☐	
CIS 87B	IT Project Management Framework	☑	☐	☑	
DFT 31	Advanced Computer Aided Drafting (CAD)	☐	☑	☐	
DFT 41	Engineering Graphics	☐	☑	☐	
DFT 62	Basic Fusion 360	☐	☑	☐	
DFT 63	Advanced Fusion 360	☐	☑	☐	
PAL 86	Tort Law and Alternative Dispute Resolution	☐	☐	☑	
PAL 89	Sports Management and Entertainment Law	☐	☐	☑	
PAL 90	E-Discovery and Litigation Support Applications	☐	☐	☑	

General Education

General Education Modifications

		M	N	R	Notes
CIS	GE D2 CIS 1A 5 14A 17A 18A 30A	☑	☑	☑	
CSC	GE D2 5 7 8 17A 18A	☑	☑	☑	

Programs

New Programs

		M	N	R	Notes
Certificate					
ARE	Essential 3D Tour	☐	☑	☐	
ARE	Essential Revit	☐	☑	☐	
CIS	Data Analytics	☑	☐	☐	
DFT	Essential CAD	☐	☑	☐	

Programs

New Programs

		M	N	R	Notes
Certificate					
DFT	**Essential Fusion 360**	☐	☑	☐	
DFT	**Essential SolidWorks**	☐	☑	☐	
Degree					
CIS	**Data Science**	☑	☐	☐	
Degree & Certificate					
ADJ	**Crime and Intelligence Analysis**	☑	☐	☐	
HLS	**Emergency Management and Homeland Security**	☑	☐	☐	
HLS	**Emergency Management and Homeland Security - Cybersecurity**	☑	☐	☐	
HLS	**Emergency Management and Homeland Security - Emergency Medical Services**	☑	☐	☐	
HLS	**Emergency Management and Homeland Security - Fire Technology**	☑	☐	☐	
HLS	**Emergency Management and Homeland Security - Leadership**	☑	☐	☐	
HLS	**Emergency Management and Homeland Security - Law Enforcement**	☑	☐	☐	

Program Modifications

		M	N	R	Notes
Degree					
NRN	**Registered Nursing**	☐	☐	☑	
H PAL	**Paralegal Studies**	☐	☐	☑	
	Holding for justification of program total units.				
Degree & Certificate					
NVN	**Vocational Nursing**	☐	☐	☑	
WEL	**Welding Technology**	☐	☐	☑	

Technical Review Committee

Proposals for Review for Meeting: 09/07/2021

Courses

Course Deletions

		M N R	Discussion	Action
CAT 3	**Computer Applications for Business**	☑☑☑		
Rationale:	Revision of every component of this COR was completed as a part of the district discipline CTE 2 Year Curriculum Review Cycle (2/2020)			
CAT 54A	**Introduction to Flash**	☑☐☐		
Rationale:	Update to COR.			
H **CAT 84**	**Word Processing: WordPerfect for Windows**	☐☐☑	Awaiting program modifications - RIV Paralegal and MOV Computer Applications.	
Rationale:	Course is being deleted from the Riverside Course inventory.			
CIS 3	**Computer Applications for Business**	☑☑☑		
Rationale:	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)			
H **CIS 84**	**Word Processing: WordPerfect for Windows**	☐☐☑	Awaiting program modifications - RIV Paralegal and MOV Computer Applications.	
Rationale:	Course is being deleted from the Riverside Course inventory.			
SCE 805	**Creative Writing for Older Adults**	☐☐☑		
Rationale:	Course has not been taught for many years and is being deleted from the College inventory.			
SCE 824	**Successful Money Management**	☐☐☑		
Rationale:	Course has not been taught for many years and is being deleted from the College inventory.			
SCE 833	**Health Wellness and Nutrition for Older Adults**	☐☐☑		
Rationale:	Course has not been taught for many years and is being deleted from the College inventory.			
SCE 834	**Weight Management for Older Adults**	☐☐☑		
Rationale:	Course has not been taught for many years and is being deleted from the College inventory.			

Technical Review Proposals for 09/07/21

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.

Page 1 of 13

Courses

Course Inclusions   M N R   Discussion   Action

CIS 63   **Introduction to Structured Query Language (SQL)**   ☑ ☐ ☐

Rationale: This course is required in the new programs, A.S. in Data Science and Data Analytics Certificate. This course will provide student knowledge in Structured Query Language (SQL) and working with databases, which is essential in the Data Science field. The skills provided in this course are fundamental to other courses in the programs, such as Big Data and Machine Learning.

Course Major Modifications   M N R   Discussion   Action

CIS 30A   **Introduction to Python Programming**   ☑ ☑ ☑

Rationale: Major course modification is needed to include general education SLO to meet UC and CSU general education requirement along with changing course prerequisite (CIS-1A) to be advisory to be more inclusive of students who already have the technical and computing skills for programming.

CIS 30B   **Python Programming in Networking**   ☑ ☑ ☐

Rationale: Per discipline recommendation, major course modification is needed to include general education SLOs and change course prerequisite, CIS-1A.

CIS 30C   **Python Programming in Cybersecurity**   ☑ ☑ ☐

Rationale: Per recommendation of CIS discipline, course major modification is needed to include general education SLOs to meet UC/CSU general education course articulation requirement. Change of course prerequisite, CIS-1A, to advisory will help increase student diversity and inclusion in this certificate. Course materials are also updated to include up-to-date resources and books as there has been changes to programming libraries and Python versions.

CIS 30D   **Python Programming for Internet of Things (IoT)**   ☑ ☑ ☐

Rationale: Per discipline recommendation, this major modification includes general education SLOs to meet UC/CSU requirement for articulation. Textbook and course materials are also updated due to changes in Python versions and libraries.

CIS 30E   **Advanced Python Programming**   ☑ ☑ ☐

Rationale: Per discipline recommendation, course major modification includes general education SLOs to meet UC/CSU articulation requirement. This modification also includes course materials updates as Python version and libraries have changed.

Technical Review Proposals for 09/07/21
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.

Page 2 of 13

Courses

Course Major Modifications

		M N R	Discussion	Action
CUL 36	**Introduction to Culinary Arts**	☐ ☐ ☑		
Rationale:	Need to revise the lab hours from 297 to 307. This is to correct the error that occurred in 2018-2019.			
CUL 37	**Intermediate Culinary Arts**	☐ ☐ ☑		
Rationale:	Need to correct error in lab hours from 297 hours to 307 Lab hours.			
CUL 38	**Advanced Culinary Arts**	☐ ☐ ☑		
Rationale:	Need to correct error in lab hours from 297 hours to 307 Lab hours.			
H **ESL 65**	**American Classroom Culture**	☑ ☑ ☑	Content is one level. Entrance skills may need to be reviewed. NOR has been added.	
Rationale:	The purpose of this modification is to conduct a standard review of content, update texts, add new course objectives, and align to new course sequence.			
H **ESL 95**	**Pronunciation and Accent Reduction**	☑ ☑ ☑	Content is one level. Only has one SLO, but may be appropriate for the course. Entrance skills may need to be reviewed. MOV has been added.	
Rationale:	ESL is revising the support courses to align with the new sequence of core ESL courses which were revised to align with AB705 recommendations. In addition, advisories and textbooks are being updated.			
HLS 50	**Developing a Personal Philosophy of Leadership and Ethics**	☑ ☐ ☐		
Rationale:	This modification updates the COR to align with the latest IPSLEI curriculum and move the course from FIT to HLS.			
HLS 51	**Leading Others Ethically**	☑ ☐ ☐		
Rationale:	This modification updates the COR to align with the latest IPSLEI curriculum and move the course from FIT to HLS.			
HLS 52	**Ethical Leadership in Organizations**	☑ ☐ ☐		
Rationale:	This modification updates the COR to align with the latest IPSLEI curriculum and move the course from FIT to HLS.			
HLS 53	**Ethics and the Challenge of Leadership**	☑ ☐ ☐		
Rationale:	This modification updates the COR to align with the latest IPSLEI curriculum and move the course from FIT to HLS.			
NRN 11	**Foundations of Nursing Practice Across the Lifespan**	☐ ☐ ☑		
Rationale:	Updating SLOs and objectives based on Program Review and preparation for accreditation.			

Technical Review Proposals for 09/07/21
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.

Page 3 of 13

Courses

Course Major Modifications   M N R   Discussion   Action

		M	N	R	Discussion	Action
NRN 12	**Acute and Chronic Medical-Surgical Nursing Across the Lifespan and Maternity Nursing**	☐	☐	☑		
Rationale:	Updating SLOs and objectives based on Program Review and preparation for accreditation.					
NRN 14	**Health Promotion and Wellness Across the Lifespan**	☐	☐	☑		
Rationale:	Updating SLOs and objectives based on Program Review and preparation for accreditation.					
NRN 21	**Acute Adult Medical-Surgical and Mental Health Nursing**	☐	☐	☑		
Rationale:	Updating SLOs and objectives based on Program Review and preparation for accreditation.					
NRN 22	**Advanced Medical-Surgical Nursing Across the Lifespan and Acute Pediatrics**	☐	☐	☑		
Rationale:	Updating SLOs and objectives based on Program Review and preparation for accreditation.					
NVN 52	**Introductory Concepts of Vocational Nursing - Nursing Fundamentals**	☐	☐	☑		
Rationale:	Updating SLOs and objectives based on Program Review and preparation for accreditation.					
NVN 60	**Intermediate Vocational Nursing Foundations-Nursing Process**	☐	☐	☑		
Rationale:	Updating SLOs and objectives based on Program Review and preparation for accreditation.					
NVN 61	**Intermediate Concepts of Vocational Nursing-Care of the Family**	☐	☐	☑		
Rationale:	Updating SLOs and objectives based on Program Review and preparation for accreditation.					
NVN 62	**Intermediate Concepts of Vocational Nursing-Medical/Surgical**	☐	☐	☑		
Rationale:	Updating SLOs and objectives based on Program Review and preparation for accreditation.					
NVN 63	**Intermediate Concepts of Vocational Nursing - Mental Health**	☐	☐	☑		
Rationale:	Update SLOs and objectives based on Program Review and upcoming accreditation.					

Technical Review Proposals for 09/07/21
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.

Page 4 of 13

Courses

Course Major Modifications

		M N R	Discussion	Action

NVN 70   **Advanced Vocational Nursing Foundations-Role Transition**   ☐ ☐ ☑

Rationale: Updating SLOs and objectives based on Program Review and preparation for accreditation.

NVN 71   **Advanced Vocational Nursing Foundations-Medical/Surgical**   ☐ ☐ ☑

Rationale: Updating SLOs and objectives based on Program Review and preparation for accreditation.

Distance Education

		M N R	Discussion	Action

CIS 22DE   **Systems Auditing**   ☑ ☐ ☐

Rationale:

CIS 4DE   **Practical Computer Security**   ☑ ☐ ☑

Rationale:

New Courses

		M N R	Discussion	Action

ARE 62   **Print Reading for Construction**   ☐ ☑ ☐

Rationale: This cross-listed/mirrored course is used for new Architectural certificate as "3D Tour"

ARE 63   **3D Tour, Virtual, Mixed, Augmented and Extended Reality**   ☐ ☑ ☐

Rationale: High demand in emerging technologies inn BIM, VR, AR, MR and XR for presenting space design.This course can be a part of new certificate in 3D tour.

CIS 48A   **Introduction to Cloud Computing**   ☑ ☐ ☑

Rationale: 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.

Technical Review Proposals for 09/07/21
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.

Page 5 of 13

Courses

New Courses

		M N R	Discussion	Action

CIS 68A   **Introduction to Machine Learning**   ☑ ☐ ☑

Rationale: This course is part of Data Science and Data Analytics program. It introduces students to concepts and theories of Machine Learning to prepare students of coursework and career in Computer Science and Data Science. The knowledge and skillsets provided in this course will help student prepare for STEM workforce. This course also aims to increase student population diversity in STEM by providing computational and statistical skills that will help learners build careers in data analytics, programming and engineering.

CIS 68B   **Big Data Fundamentals**   ☑ ☐ ☑

Rationale: This course is part of the Data Science A.S degree and Data Analytic certificate programs. This course is aimed to build data analytic skills that will help student establish their career and/or prepare students for university studies in Data Science. This course promotes STEM education that will aid in creasing technical workforce diversity in Inland Empire region.

CIS 70A   **Foundations of Data Science**   ☑ ☐ ☑

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 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.

CIS 848A   **Cloud Computing Fundamentals**   ☑ ☐ ☐

Rationale: 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.

CIS 87A   **Introduction to IT Project Management**   ☑ ☐ ☐

Rationale: The skills acquired from the course can help students

Technical Review Proposals for 09/07/21
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.

Page 6 of 13

Courses

New Courses

		M N R	Discussion	Action

CIS 87B **IT Project Management Framework** ☑ ☐ ☑

Rationale: The goal of this class is to increase diversity in the technical workforce by providing an education platform for entry-level Associate IT Project Managers focusing on context of Project Management and Information Technology. This program aims to develop quality and quantity of technical professionals to fulfill business needs and generate greater economic impact in the greater Inland Empire region. Students will gain soft and technical skills necessary to become entry-level project management jobs, including IT project managers, project coordinators, project specialists, and assistant project managers. Employment for the Project Management is expected to increase 31% between 2017 and 2027 or 8.8 million nationwide job openings will be available over the ten-year time frame. Over the last 12 months in the Inland Empire/Desert Region, there were 2,198 job postings for project managers and 576 combined job postings for project coordinators, project specialists, and assistant project managers.

DFT 31 **Advanced Computer Aided Drafting (CAD)** ☐ ☑ ☐

Rationale: A new course part of Essential CAD certificate. This course can be offered fully online or Hybrid.

DFT 41 **Engineering Graphics** ☐ ☑ ☐

Rationale: Course required for mechanical engineering pathways students.Cross-listed to ENE-41 for the updated Drafting certificate/discipline.

DFT 62 **Basic Fusion 360** ☐ ☑ ☐

Rationale: Emerging technology for makers. A part of "Essential Fusion 360" certificate.

DFT 63 **Advanced Fusion 360** ☐ ☑ ☐

Rationale: Emerging technology for makers. A part of "Essential Fusion 360" certificate.

PAL 86 **Tort Law and Alternative Dispute Resolution** ☐ ☐ ☑

Rationale: Tort Law and Alternative Dispute Resolution is an elective course for the Associate in Science In Paralegal Studies.

PAL 89 **Sports Management and Entertainment Law** ☐ ☐ ☑

Rationale: An additional elective for the Associate in Science Degree in Paralegal Studies. Course will also assist students in the field and industries of Sports Law and Entertainment Law.

PAL 90 **E-Discovery and Litigation Support Applications** ☐ ☐ ☑

Rationale: Course an elective for the Associate in Scient Degree in Paralegal Studies.

Technical Review Proposals for 09/07/21
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.

Page 7 of 13

Courses

		M N R	Discussion	Action
New Courses				

General Education

		M N R	Discussion	Action
General Education Modifications				

CIS	**GE D2 CIS 1A 5 14A 17A 18A 30A**	☑ ☑ ☑	
Rationale:	Addition of the following courses to the RCCD General Education, Area D2: CIS-1A, 5, 14A, 17A, 18A, 30A.		
CSC	**GE D2 5 7 8 17A 18A**	☑ ☑ ☑	
Rationale:	Addition of the following courses to the RCCD General Education, Area D2: CSC-5, 7, 14A, 17A, 18A		

Programs

		M N R	Discussion	Action
New Programs				

Certificate

ARE	**Essential 3D Tour**	☐ ☑ ☐	
Rationale:	To provide short certificate for continuing education and professionals with program focus to job market.		
Documents:	**Narrative**		
ARE	**Essential Revit**	☐ ☑ ☐	
Rationale:	To provide short certificate for continuing education and professionals with program focus to job market.		
Documents:	**Narrative**		

Technical Review Proposals for 09/07/21
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.

Page 8 of 13

Programs

Certificate

CIS	**Data Analytics**	☑ ☐ ☐

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**

DFT	**Essential CAD**	☐ ☑ ☐

Rationale: To provide short certificate for continuing education and professionals with program focus to job market.

Documents: **Narrative**

DFT	**Essential Fusion 360**	☐ ☑ ☐

Rationale: To provide short certificate for continuing education and professionals with program focus to job market.

Documents: **Narrative**

DFT	**Essential SolidWorks**	☐ ☑ ☐

Rationale: To provide short certificate for continuing education and professionals with program focus to job market.

Documents: **Narrative**

Technical Review Proposals for 09/07/21
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.

Page 9 of 13

Programs

New Programs   M N R   Discussion   Action

Degree

CIS   **Data Science**   ☑ ☐ ☐

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 & Certificate

ADJ   **Crime and Intelligence Analysis**   ☑ ☐ ☐

Rationale: The Crime and Intelligence Analysis Associates Degree of Science provides the
education and technical training needed for students to establish a career in the
Crime Analysis profession. The curriculum is designed to provide the student with
the necessary skills to become entry level Crime Analysts and Criminal
Intelligence Analysts within state, local or federal agencies as well as the private
sectors.

Documents: **Narrative**   **LMI**   **Advisory Committee**   **Regional Consortium**

HLS   **Emergency Management and Homeland Security**   ☑ ☐ ☐

Rationale: The Emergency Management and Homeland Security program prepares students
to enter the emerging profession of homeland security and emergency
management. The curriculum is designed to provide the learner with a
foundation of technical and professional knowledge to meet local, state, and
national safety responsibilities both in the public and private sectors preparing
for, mitigating, responding to, and recovering from natural and manmade
disasters.

Documents: **Narrative**   **LMI**   **Advisory Committee**   **Regional Consortium**

Technical Review Proposals for 09/07/21
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.

Page 10 of 13

Programs

        M N R   Discussion   Action

Degree & Certificate

HLS   **Emergency Management and Homeland Security - Cybersecurity** ☑ ☐ ☐

Rationale: The Emergency Management and Homeland Security - Cybersecurity concentration prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors preparing for, mitigating, responding to, and recovering from natural and manmade disasters. The concentration in Cyber Security is specifically designed to prepare Cyber Security Professionals to operate in the complex world of Emergency Management and Homeland Security.

Documents: **Narrative**   **LMI**   **Advisory Committee**   **Regional Consortium**

HLS   **Emergency Management and Homeland Security - Emergency Medical Services** ☑ ☐ ☐

Rationale: The Emergency Management and Homeland Security Emergency Medical Services program prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors preparing for, mitigating, responding to, and recovering from natural and manmade disasters. The concentration in Emergency Medical Services is specifically designed to prepare persons to operate within the Emergency Medical Services branch of the Incident Command System.

Documents: **Narrative**   **LMI**   **Advisory Committee**   **Regional Consortium**

HLS   **Emergency Management and Homeland Security - Fire Technology** ☑ ☐ ☐

Rationale: The Emergency Management and Homeland Security--Fire Technology program prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors preparing for, mitigating, responding to, and recovering from natural and manmade disasters. The concentration in Fire Technology is specifically designed to prepare persons to operate within the FIRE branch of the Incident Command System.

Documents: **Narrative**   **LMI**   **Advisory Committee**   **Regional Consortium**

Technical Review Proposals for 09/07/21
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.

Page 11 of 13

Programs

New Programs   M N R   Discussion   Action

Degree & Certificate

HLS	**Emergency Management and Homeland Security - Leadership**	☑ ☐ ☐

Rationale: The Emergency Management and Homeland Security - Leadership concentration prepares students to be leaders in homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors preparing for, mitigating, responding to, and recovering from natural and manmade disasters. The concentration in Cyber Security is specifically designed to prepare Cyber Security Professionals to operate in the complex world of Emergency Management and Homeland Security.

Documents: **Narrative**   **LMI**   **Advisory Committee**   **Regional Consortium**

HLS	**Emergency Management and Homeland Security - Law Enforcement**	☑ ☐ ☐

Rationale: The Emergency Management and Homeland Security – Law Enforcement concentration prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors preparing for, mitigating, responding to, and recovering from natural and manmade disasters. The concentration in Law Enforcementis specifically designed to prepare persons to operate within the LAW branch of the Incident Command System.

Documents: **Narrative**   **LMI**   **Advisory Committee**   **Regional Consortium**

Program Modifications   M N R   Discussion   Action

Degree

NRN	**Registered Nursing**	☐ ☐ ☑

Rationale: Update PLOs to align with Nursing Accreditation Board.

Technical Review Proposals for 09/07/21
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.

Page 12 of 13

Programs

Program Modifications   M N R   Discussion   Action

Degree

			M N R	Discussion
H	**PAL**	**Paralegal Studies**	☐ ☐ ☑	Holding for justification of program total units.
	Rationale:	The changing climate of the legal field has dictated new and revised courses to align with industry needs. The program and courses are geared for students to connect with industry earlier on in the program. This includes, but is not limited to employment, apprenticeship, internships and to position themselves for summer legal institutes. There are also technological changes occurring in the profession. Additionally, students have been placed in internships and employment in many of these areas. Preparing them with the courses can foster a better position for their success within the industry areas. Additionally, the program exceeds the standards of the California Business & Professions Code and the American Bar Association. The Paralegal Program in the future will seek official American Bar Association Approval of Paralegal Programs and thus positions itself for that process.		

Degree & Certificate

		M N R	Discussion
NVN	**Vocational Nursing**	☐ ☐ ☑	
Rationale:	Update PLOs to align with Nursing Accreditation Board.		
WEL	**Welding Technology**	☐ ☐ ☑	
Rationale:	Rationale for the changes to the Welding Technology Certificate of Achievement and Degree is to ensure courses within the discipline are utilized concurrently with the courses in the individual smaller certificate patterns. These courses may be used as either required or elective courses within multiple Welding Certificate patterns. The two additional elective courses proposed in the Welding Technology Certificate/Degree pattern will simultaneously allow students to utilize the proposed courses in the smaller certificate options as well as giving them the skill to obtain employment and then continue taking courses to achieve the larger Welding Technology Certificate or Degree. We are also removing the WEL-34 class as it has been deleted.		

Technical Review Proposals for 09/07/21
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.

Page 13 of 13

Riverside Community College District

Technical Review

Program Documentation for September 7, 2021

Program Outline

Title: Essential 3D Tour

☐ **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: **0201.00**   **CIP Code: 40901**

Type of Program:
☐ Certificate of Achievement only   ☒ Locally approved certificate (8-units or less) only
☐ Associate Degree only   ☐ Certificate of Achievement <u>and</u> 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:
N/A

Rationale:
To provide short certificate for continuing education and professionals with program focus to job market.

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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

1 | P a g e

Program Narrative

Item 1. Program Goals and Objectives
Upon successful completion of the course, students should be able to demonstrate the following activities:
1. *Read Architectural documents and blueprints*
2. *Prepare a visual 3D presentation inside or outside a building for potential clients*

Item 2. Catalog Description
The Essential 3D Tour program prepares students with the knowledge and skill in reading Architectural documents and blueprints with technics in presenting an existing building in a three-dimensional virtual tour for later remodeling or design. Students learn to set and use advanced building scanner/camera and drones in presenting spatial aspects of building in a virtual walkthrough or virtual fly around the building and landscapes.

Item 3. Program Requirements
Building Scanner, Camera and virtual tour software will be provided by college. Students need a software access and a computer for home assignments.

Required Courses: ____ units

Course	Title	Units	Sequencing
ARE/CON-62	Blueprint Reading for Construction	3	Semester 1, Fall
ARE-63	3D Tour - VR, AR, MR and XR	3	Semester 2, Spring

Elective Courses: ____ units

Course	Title	Units	Sequencing
None			

Total Program Units: ____6__ units

Item 4. Master Planning
This certificate serve our students by providing a unique educational opportunity with a cutting edge technology to a diverse group of talents in creating job opportunity for students, entrepreneurs and professionals who need to update their skills in the field.

Item 5. Enrollment and Completer Projections
34 per semester

Item 6. Place of Program in Curriculum/Similar Programs
Currently we have Architectural Graphics and Construction certificate that students can use some of the units to transfer in continuing their education.

Item 7. Similar Programs at Other Colleges in Service Area
Only private companies provide the service. Community colleges have only Print reading aspect of this certificate

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

2 | P a g e

Item 8. Transfer Preparation Information (if applicable)
Upon completion students can continue their education in Construction or Architecture program.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

3 | P a g e

Program Outline

Title: Essential Revit

☐ **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: **0201.00**   **CIP Code: 40901**

Type of Program:

☐ Certificate of Achievement only   ☒ Locally approved certificate (8-units or less) only

☐ Associate Degree only   ☐ Certificate of Achievement <u>and</u> 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:
N/A

Rationale:
To provide short certificate for continuing education and professionals with program focus to job market.

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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

1 | P a g e

RCCD | RIVERSIDE COMMUNITY
COLLEGE DISTRICT
MORENO VALLEY COLLEGE | NORCO COLLEGE | RIVERSIDE CITY COLLEGE

Program Narrative

Item 1. Program Goals and Objectives
Upon successful completion of the course, students should be able to demonstrate the following activities:
1. *Prepare Architectural drawings including plan, elevation, roof using Autodesk Revit.*
2. *Prepare Architectural rendering, solar study and perspectives using Autodesk Revit*

Item 2. Catalog Description
This program prepares students with the knowledge and skill in using Autodesk Revit Architecture for building Information Modeling on computer to document building information and drawings with architectural details. Students learn to render their architectural design and present solar study using Revit.

Item 3. Program Requirements
Software is free to students and college. Computer will be accessible by college. Students may use their home computer for homework..

Required Courses: ____ units

Course	Title	Units	Sequencing
ARE-24	Revit I-Architectural Drafting	3	Semester 1, Fall
ARE-25	Revit II-Advanced Architectural Drafting	3	Semester 2, Spring

Elective Courses: ____ units

Course	Title	Units	Sequencing
None			

Total Program Units: ____6__ units

Item 4. Master Planning
This certificate serves our students by providing a unique educational opportunity with a cutting edge technology to a diverse group of talents in creating job opportunity for students, entrepreneurs and professionals who need to update their skills in the architecture drafting field.

Item 5. Enrollment and Completer Projections
34 per semester

Item 6. Place of Program in Curriculum/Similar Programs
Currently we have Architectural Graphics certificate that students can use all these units to continuing their education.

Item 7. Similar Programs at Other Colleges in Service Area
Norco college already has these two courses as a part of a larger certificate, Architectural Graphics.
B.I.M. (Building Information Modeling) and CADD by Rio Hondo College

Item 8. Transfer Preparation Information (if applicable)

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

2 | P a g e

Upon completion students can continue their education in Architecture program.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

3 | P a g e

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)*

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

1 | P a g e

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 <u>cannot</u> appear on student transcripts and the college <u>cannot</u> 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

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

3 | P a g e

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: Essential CAD

☐ **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: 0**953.00**   **CIP Code: 151302**

Type of Program:
☐ Certificate of Achievement only   ☒ Locally approved certificate (8-units or less) only
☐ Associate Degree only   ☐ Certificate of Achievement <u>and</u> 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:
N/A

Rationale:
To provide short certificate for continuing education and professionals with program focus to job market.

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
Upon successful completion of the course, students should be able to demonstrate the following activities:
1. *Prepare Two- and three-dimensional Computer Aided Design drawings and models.*
2. *Prepare drawings such as orthographic and auxiliary views, sections with standard annotation and details using a CAD program*
3. *Prepare virtual rendering for computer models using CAD program.*

Item 2. Catalog Description
This program prepares students with the knowledge and skill in using CAD to prepare complicated two- and three-dimensional geometric shapes and models used in Architecture and Mechanical industry. Students learn to render computer models and prepare CAD animation.

Item 3. Program Requirements
Software is free to student. Computer and software access will be provided by college. Students may use their home computer for homework.

Required Courses: ____ units

Course	Title	Units	Sequencing
DFT-30	Computer Aided Design	3	Semester 1, Fall
DFT-31	Advanced Computer Aided Design	3	Semester 2, Spring

Elective Courses: ____ units

Course	Title	Units	Sequencing
None			

Total Program Units: ___6___ units

Item 4. Master Planning
This certificate serve our students by providing a unique educational opportunity with AutoCAD to a diverse group of talents in creating job opportunity for students, entrepreneurs and professionals who need to update their skills in the Mechanical or Industrial drafting field.

Item 5. Enrollment and Completer Projections
34 per semester

Item 6. Place of Program in Curriculum/Similar Programs
Currently we have 3D Mechanical certificate that students can use all these units to continuing their education.

Item 7. Similar Programs at Other Colleges in Service Area
Norco college already has these two courses as a part of a larger certificate, 3D Mechanical Certificate.

Item 8. Transfer Preparation Information (if applicable)

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

2 | P a g e

Upon completion students can continue their education in 3D Mechanical or Architectural Graphic programs.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

3 | P a g e

<u>**Program Outline**</u>

Title: Essential Fusion 360

☐ **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: 0**953.00**   **CIP Code: 500404**

Type of Program:
☐ Certificate of Achievement only   ☒ Locally approved certificate (8-units or less) only
☐ Associate Degree only   ☐ Certificate of Achievement <u>and</u> 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:
N/A

Rationale:
To provide short certificate for continuing education and professionals with program focus to job market.

<u>**Required Documentation**</u>
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.

<u>**All Degrees and Certificates**</u>
☒ Evidence of district-wide discipline communication
☒ Department minutes showing approval
☒ Narrative *(see following page)*
☐ Transfer preparation documentation *(only if applicable)*

<u>**Degrees and Certificates of 8 Units or More with Vocational TOPs Codes**</u>
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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

1 | P a g e

Program Narrative

Item 1. Program Goals and Objectives
Upon successful completion of the course, students should be able to demonstrate the following activities:
1. *Prepare parametric three-dimensional solid models using Autodesk 360.*
2. *Prepare drawings such as orthographic and auxiliary views, sections with standard annotation and details using Fusion 360*
3. *Setup and build parts using additive and subtractive process through Fusion 360.*

Item 2. Catalog Description
The Essential Fusion 360 program prepares makers with the knowledge and skill in using Fusion360 to document mechanical drawings per ANSI standards. Students learn to render parts and assemblies with exploded view animation. Also student learn to build parts using additive and subtractive process through Fusion 360.

Item 3. Program Requirements
Software is free to student. Computer and software access will be provided by college. Students may use their home computer for homework.

Required Courses: ____ units

Course	Title	Units	Sequencing
DFT-62	Basic Fusion 360	3	Semester 1, Fall
DFT-63	Advanced Fusion 360	3	Semester 2, Spring

Elective Courses: ____ units

Course	Title	Units	Sequencing
None			

Total Program Units: ___6__ units

Item 4. Master Planning
This certificate serve our students by providing a unique educational opportunity with Fusion 360 to a diverse group of talents in creating job opportunity for students, entrepreneurs and professionals who need to update their skills in the Mechanical and industrial drafting field.

Item 5. Enrollment and Completer Projections
34 per semester

Item 6. Place of Program in Curriculum/Similar Programs
Currently we have 3D Mechanical certificate that students use similar programs such as SolidWorks

Item 7. Similar Programs at Other Colleges in Service Area
SolidWorks that currently is offered in Norco College as a part of 3D Mechanical Drafting.

Item 8. Transfer Preparation Information (if applicable) N/A.

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

2 | P a g e

Program Outline

Title: Essential SolidWorks

☐ **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: 0**953.00**   **CIP Code: 151302**

Type of Program:
☐ Certificate of Achievement only   ☒ Locally approved certificate (8-units or less) only
☐ Associate Degree only   ☐ Certificate of Achievement <u>and</u> 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:
N/A

Rationale:
To provide short certificate for continuing education and professionals with program focus to job market.

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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

1 | P a g e

Program Narrative

Item 1. Program Goals and Objectives
Upon successful completion of the course, students should be able to demonstrate the following activities:
1. *Prepare parametric three-dimensional solid models*
2. *Prepare drawings such as orthographic and auxiliary views, sections with annotations and details using SolidWorks.*
3. *Prepare virtual rendering for mechanical parts, assemblies and animation using SolidWorks.*

Item 2. Catalog Description
The Essential SolidWorks program prepares students with the knowledge and skill in using Solidworks to document mechanical drawings per ANSI standards. Students learn to render parts and assemblies with exploded view animation.

Item 3. Program Requirements
Software is free to student. Computer and software access will be provided by college. Students may use their home computer for homework.

Required Courses: _____ units

Course	Title	Units	Sequencing
DFT-42	SolidWorks I	3	Semester 1, Fall
DFT-42B	SolidWorks II	3	Semester 2, Spring

Elective Courses: _____ units

Course	Title	Units	Sequencing
None			

Total Program Units: ___6___ units

Item 4. Master Planning
This certificate serve our students by providing a unique educational opportunity with SolidWorks to a diverse group of talents in creating job opportunity for students, entrepreneurs and professionals who need to update their skills in the Mechanical or Industrial drafting field.

Item 5. Enrollment and Completer Projections
34 per semester

Item 6. Place of Program in Curriculum/Similar Programs
Currently we have 3D Mechanical certificate that students can use all these units to continuing their education.

Item 7. Similar Programs at Other Colleges in Service Area
Norco college already has these two courses as a part of a larger certificate, 3D Mechanical Certificate.

Item 8. Transfer Preparation Information (if applicable)

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

2 | P a g e

Upon completion students can continue their education in 3D Mechanical program.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

3 | P a g e

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 <u>and</u> 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:
(<u>Please be specific</u>! 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 <u>cannot</u> appear on student transcripts and the college <u>cannot</u> 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

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

3 | P a g e

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 and Intelligence Analysis

☒ **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: 43.0402**

Type of Program:
☐ Certificate of Achievement only　　　☐ Locally approved certificate (8-units or less) only
☐ Associate Degree only　　　☒ Certificate of Achievement <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Rationale:

The Crime and Intelligence Analysis Associates Degree of Science provides the education and technical training needed for students to establish a career in the Crime Analysis profession. The curriculum is designed to provide the student with the necessary skills to become entry level Crime Analysts and Criminal Intelligence Analysts within state, local or federal agencies as well as the private sectors.

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 *(Crime Analysis is unique to Moreno Valley College)*
☒ 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.)*

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

1 |
P a g e

☒ 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
The goal of this program is to prepare the student with advanced technology and investigative techniques to analyze crime trends and patterns. Students will develop analytical skills to further pursue a career in Crime and Intelligence Analysis.

PROGRAM LEARNING OUTCOMES:
- Upon successful completion of this program, students should be able to:
- Apply tools and techniques utilized to analyze crime, evaluate current events and collect intelligence to support law enforcement personnel and/or the private sector.
- Analyze and identify crime patterns, trends and series.
- Develop and identify elements of the crime using criminal behavior and intelligence analysis techniques.
- Develop and create summaries and/or assessments, crime maps, timelines, link charts and telephone toll analysis.

Item 2. Catalog Description

The Crime and Intelligence Analysis program prepares students for the Crime Analysis career. The program coursework includes hands-on practices in advanced analytical computer programs, such as ESRI ArcGIS Pro and IBM Analyst's Notebook. Students will learn to use progressions in technology to plan, collect, collate, analyze and disseminate information and intelligence regarding crime incidents. The program curriculum prepares students to attain the role of a Crime Analyst in teachings on strategical, tactical, intelligence and administrative analysis. Students who successfully complete the program will be excellent candidates in the field of Crime and Intelligence Analysis.

The goal of this program is to prepare the student with advanced technology and investigative techniques to analyze crime trends and patterns. Students will develop analytical skills to further pursue a career in Crime and Intelligence Analysis.

PROGRAM LEARNING OUTCOMES:
- Upon successful completion of this program, students should be able to:
- Apply tools and techniques utilized to analyze crime, evaluate current events and collect intelligence to support law enforcement personnel and/or the private sector.
- Analyze and identify crime patterns, trends and series.
- Develop and identify elements of the crime using criminal behavior and intelligence analysis techniques.
- Develop and create summaries and/or assessments, crime maps, timelines, link charts and telephone toll analysis.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

2 | Page

Required Courses: ___28-29___ units

Course	Title	Units	Sequencing
ADJ-1	Introduction to the Administration of Justice	3	Semester 1 Fall
ADJ-3	Concepts of Criminal Law	3	Semester 3 Fall
ADJ-40	Law Enforcement Crime Analysis	3	Semester 1 Fall
ADJ-41	Technology & Investigative Analysis	**3**	Semester 2 Spring
ADJ-42	Criminal Behavior and Intelligence Analysis	3.5	Semester 3 Fall
ADJ-43	Criminal Intelligence Analyst Simulations	**3.5**	Semester 4 Spring
GEG-8	Introduction to Geographic Information Systems, with Lab	3	Semester 2 Spring
PSY-48 / SOC 48	Statistics for the Behavioral Sciences	3	Semester 1 Fall
SOC-50 or PSY-50	Introduction to Social Research Methods or Research Methods in Psychology	3 4	Semester 4 Spring

Electives (1) Courses: ___1.5-3.0___ units

Course	Title	Units	Sequencing
CIS/CSC-61	Introduction to Database Theory	3	Semester 4 Fall
CIS-65/CAT-65	Introduction to Microsoft PowerPoint	1.5	Semester 2 Spring
CIS/CAT-98A	Introduction to Excel	1.5	Semester 3 Fall

*Note: ENG-1B/ENG-1BH course is recommended.

Total Program Units: <u>29.5-32.00</u> units

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.

The Crime and Intelligence Analysis program prepares students for the Crime Analysis career. The program coursework includes hands-on practices in advanced analytical computer programs, such as ESRI ArcGIS Pro and IBM Analyst's Notebook. Students will learn to use progressions in technology to plan, collect, collate, analyze and disseminate information and intelligence regarding crime incidents. The program curriculum prepares students to attain the role of a Crime Analyst in teachings on strategical,

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

3 | Page

tactical, intelligence and administrative analysis. Students who successfully complete the program will be excellent candidates in the field of Crime and Intelligence Analysis.

PROGRAM LEARNING OUTCOMES:
- Upon successful completion of this program, students should be able to:
- Apply tools and techniques utilized to analyze crime, evaluate current events and collect intelligence to support law enforcement personnel and/or the private sector.
- Analyze and identify crime patterns, trends and series.
- Develop and identify elements of the crime using criminal behavior and intelligence analysis techniques.
- Develop and create summaries and/or assessments, crime maps, timelines, link charts and telephone toll analysis.

Required Courses:___28-29____units

Course	Title	Units	Sequencing
ADJ-1	Introduction to the Administration of Justice	3	Semester 1 Fall
ADJ-3	Concepts of Criminal Law	3	Semester 3 Fall
ADJ-40	Law Enforcement Crime Analysis	3	Semester 1 Fall
ADJ-41	Technology & Investigative Analysis	**3**	Semester 2 Spring
ADJ-42	Criminal Behavior and Intelligence Analysis	3.5	Semester 3 Fall
ADJ-43	Criminal Intelligence Analyst Simulations	**3.5**	Semester 4 Spring
GEG-8	Introduction to Geographic Information Systems, with Lab	3	Semester 2 Spring
PSY-48 / SOC 48	Statistics for the Behavioral Sciences	3	Semester 1 Fall
SOC-50 or PSY-50	Introduction to Social Research Methods or Research Methods in Psychology	3 4	Semester 4 Spring

Electives (1) Courses: __1.5-3.0__units

Course	Title	Units	Sequencing
CIS/CSC-61	Introduction to Database Theory	3	Semester 4 Fall
CIS-65/CAT-65	Introduction to Microsoft PowerPoint	1.5	Semester 2 Spring
CIS/CAT-98A	Introduction to Excel	1.5	Semester 3 Fall

*Note: ENG-1B/ENG-1BH course is recommended.

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

4 | Page

Total Program Units: <u>29.5-32.00</u> units

The **Associate of Science Degree in Crime and Intelligence Analysis** 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	28	Maximum Required Units	29
Minimum Elective Units	1.5	Maximum Elective Units	3
Local GE Required Units	27	CSUGE Required Units	39
Double Counted Units	6	Double Counted Units	12
Total Minimum Degree Units	**60**	**Total Maximum Degree Units**	**60**

Item 4. Master Planning

This associate degree program goals to increase the diversity in the Inland Empire workforce by providing technical training emphasis in Career Technical Education. This program supports the Guided Pathway to direct students in achieving a career in Crime and Intelligence Analysis. The associate degree will increase student population, diversifying the career. The growth of the program addresses the necessity to expand special populations in the Crime and Intelligence Analysis careers; potentially increasing the population of female, Hispanic, African American students and professionals. The program is expected to have a consistent growth with program promotional outreach to local high schools and community centers.

Item 5. Enrollment and Completer Projections

This program is expected to have 35 to 80 students.

Item 6. Place of Program in Curriculum/Similar Programs

Within the Riverside Community College district, Moreno Valley College would be the only campus with the Crime and Intelligence Analysis Program.

Item 7. Similar Programs at Other Colleges in Service Area

No other colleges in the Southern California area offer a similar program other than the University of Riverside Extension Center, whom offers a Certificate. Cal State San Bernardino offers a four-year college degree.

Item 8. Transfer Preparation Information (if applicable)

Courses in this program are aligned to curriculum with Intersegmental General Education Transfer Curriculum for transfer to CSU and UC.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

5 | Page

Program Outline

Title: Emergency Management and Homeland Security

☒ **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: 2105.30   **CIP Code:** 43.0301

Type of Program:
☐ Certificate of Achievement only   ☐ Locally approved certificate (8-units or less) only
☐ Associate Degree only   ☒ Certificate of Achievement <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Rationale:
(Please note: This information will be presented to the Board of Trustees.)
The Emergency Management and Homeland Security program prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors preparing for, mitigating, responding to, and recovering from natural and manmade disasters.

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.

<u>All Degrees and Certificates</u>
☐ Evidence of district-wide discipline communication (Emergency Management/Homeland Security is
☒ Department minutes showing approval   unique to Moreno Valley College.)
☒ Narrative *(see following page)*
☐ Transfer preparation documentation *(only if applicable)*

<u>Degrees and Certificates of 8 Units or More with Vocational TOPs Codes</u>
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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

1 |
P a g e

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.

Upon completion of this program, students will be able to:

- Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.

- Compare and Contrast various forms of National and International Terrorism.

- Distinguish the fundamental roles and responsibilities of the professional emergency manager.

- Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.

Item 2. Catalog Description
Includes program requirements, prerequisite skills or enrollment limitations, program learning outcomes, and information relevant to program goal.

The Emergency Management and Homeland Security program prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors. The program emphasizes an All-Hazard approach to emergency planning and management, with courses in preparedness planning, risk mitigation, emergency response and disaster recovery. Students who successfully complete the program will gain entry-level employment in the fields of emergency management, homeland security, law enforcement, fire service, urban planning, security management, information security, business continuity, and other service-related occupations.

Upon completion of this program, students will be able to:
- Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.
- Compare and Contrast various forms of National and International Terrorism.
- Distinguish the fundamental roles and responsibilities of the professional emergency manager.
- Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

2 |
P a g e

Required Courses: <u>21</u> units

Course	Title	Units	Sequencing
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall
HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring

Elective Courses: **Select a minimum of 9 units from below:**

Course	Title	Units	Sequencing
ADJ-1	Introduction to Administration of Justice	3	Semester 1,2,3, or 4
ADJ-2	Principles and Procedures of the Justice System	3	Semester 1,2,3, or 4
ADJ-3	Concepts of Criminal Law	3	Semester 1,2,3, or 4
ADJ-4	Legal Aspects of Evidence	3	Semester 1,2,3, or 4
ADJ-5	Community Relations	3	Semester 1,2,3, or 4
ADJ-6	Patrol Procedures	3	Semester 1,2,3, or 4
ADJ-8	Juvenile Law and Procedures	3	Semester 1,2,3, or 4
ADJ-12	Introduction to Criminalistics	3	Semester 1,2,3, or 4
ADJ-13	Criminal Investigation	3	Semester 1,2,3, or 4
ADJ-15	Narcotics	3	Semester 1,2,3, or 4
ADJ-19	Introduction to Policing	3	Semester 1,2,3, or 4
ADJ-20	Introduction to Corrections	3	Semester 1,2,3, or 4
ADJ-21	Control & Supervision in Corrections	3	Semester 1,2,3, or 4
ADJ-22	Legal Aspects of Corrections	3	Semester 1,2,3, or 4
ADJ-24	Interviewing & Interrogation	3	Semester 1,2,3, or 4
ADJ-40	Law Enforcement Crime Analysis	3	Semester 1,2,3, or 4
ADJ-41	Technology & Investigative Analysis	3	Semester 1,2,3, or 4
ADJ-42	Criminal Behavior and Intelligence Analysis	3.50	Semester 1,2,3, or 4
ADJ-43	Criminal Intelligence Analyst Simulations	3.50	Semester 1,2,3, or 4
ADJ-B1B	Basic Peace Officer Training Academy	40	Semester 1,2,3, or 4
ADJ-C1D	Basic Correctional Deputy Academy	15	Semester 1,2,3, or 4
ADJ-D1A	Basic Public Safety Dispatch Course	6	Semester 1,2,3, or 4
ADJ-R1B	Level II Modular Academy Training	9	Semester 1,2,3, or 4

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

3 | P a g e

ADJ-R1A2	Level III Modular Academy Training	**7**	Semester 1,2,3, or 4
ADJ-R1C	Regular Basic Course, Modular Format, Module I Training	19	Semester 1,2,3, or 4
EMS-50	Emergency Medical Technician	7	Semester 1,2,3, or 4
EMS-51	Emergency Medical Services-Basic Clinical/Field	1.50	Semester 1,2,3, or 4
EMS-60	Patient Assessment and Airway Management	4.50	Semester 1,2,3, or 4
EMS-61	Introduction to Medical Pathophysiology	3	Semester 1,2,3, or 4
EMS-62	Emergency Pharmacology	4	Semester 1,2,3, or 4
EMS-63	Cardiology	4	Semester 1,2,3, or 4
FIT-1	Fire Protection Organization	3	Semester 1,2,3, or 4
FIT-2	Fire Behavior and Combustion	3	Semester 1,2,3, or 4
FIT-3	Fire Protection Equipment and Systems	3	Semester 1,2,3, or 4
FIT-4	Building Construction for Fire Protection	3	Semester 1,2,3, or 4
FIT-5	Fire Prevention	3	Semester 1,2,3, or 4
FIT-7	Principles of Fire and Emergency Services Safety and Survival	3	Semester 1,2,3, or 4
FIT-S3	Basic Fire Fighter Academy	19	Semester 1,2,3, or 4

Total Program Units: __30__

The **Associate of Science Degree in Emergency Management and Homeland Security** 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: 21 units

Course	Title	Units	Sequencing
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall
HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

4 | P a g e

HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring

Elective Courses: **Select a minimum of 9 units from below:**

Course	Title	Units	Sequencing
ADJ-1	Introduction to Administration of Justice	3	Semester 1,2,3, or 4
ADJ-2	Principles and Procedures of the Justice System	3	Semester 1,2,3, or 4
ADJ-3	Concepts of Criminal Law	3	Semester 1,2,3, or 4
ADJ-4	Legal Aspects of Evidence	3	Semester 1,2,3, or 4
ADJ-5	Community Relations	3	Semester 1,2,3, or 4
ADJ-6	Patrol Procedures	3	Semester 1,2,3, or 4
ADJ-8	Juvenile Law and Procedures	3	Semester 1,2,3, or 4
ADJ-12	Introduction to Criminalistics	3	Semester 1,2,3, or 4
ADJ-13	Criminal Investigation	3	Semester 1,2,3, or 4
ADJ-15	Narcotics	3	Semester 1,2,3, or 4
ADJ-19	Introduction to Policing	3	Semester 1,2,3, or 4
ADJ-20	Introduction to Corrections	3	Semester 1,2,3, or 4
ADJ-21	Control & Supervision in Corrections	3	Semester 1,2,3, or 4
ADJ-22	Legal Aspects of Corrections	3	Semester 1,2,3, or 4
ADJ-24	Interviewing & Interrogation	3	Semester 1,2,3, or 4
ADJ-40	Law Enforcement Crime Analysis	3	Semester 1,2,3, or 4
ADJ-41	Technology & Investigative Analysis	3	Semester 1,2,3, or 4
ADJ-42	Criminal Behavior and Intelligence Analysis	3.50	Semester 1,2,3, or 4
ADJ-43	Criminal Intelligence Analyst Simulations	3.50	Semester 1,2,3, or 4
ADJ-B1B	Basic Peace Officer Training Academy	40	Semester 1,2,3, or 4
ADJ-C1D	Basic Correctional Deputy Academy	15	Semester 1,2,3, or 4
ADJ-D1A	Basic Public Safety Dispatch Course	6	Semester 1,2,3, or 4
ADJ-R1B	Level II Modular Academy Training	9	Semester 1,2,3, or 4
ADJ-R1A2	Level III Modular Academy Training	**7**	Semester 1,2,3, or 4
ADJ-R1C	Regular Basic Course, Modular Format, Module I Training	19	Semester 1,2,3, or 4
EMS-50	Emergency Medical Technician	7	Semester 1,2,3, or 4
EMS-51	Emergency Medical Services-Basic Clinical/Field	1.50	Semester 1,2,3, or 4
EMS-60	Patient Assessment and Airway Management	4.50	Semester 1,2,3, or 4
EMS-61	Introduction to Medical Pathophysiology	3	Semester 1,2,3, or 4
EMS-62	Emergency Pharmacology	4	Semester 1,2,3, or 4
EMS-63	Cardiology	4	Semester 1,2,3, or 4
FIT-1	Fire Protection Organization	3	Semester 1,2,3, or 4
FIT-2	Fire Behavior and Combustion	3	Semester 1,2,3, or 4
FIT-3	Fire Protection Equipment and Systems	3	Semester 1,2,3, or 4

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

5 | P a g e

FIT-4	Building Construction for Fire Protection	3	Semester 1,2,3, or 4
FIT-5	Fire Prevention	3	Semester 1,2,3, or 4
FIT-7	Principles of Fire and Emergency Services Safety and Survival	3	Semester 1,2,3, or 4
FIT-S3	Basic Fire Fighter Academy	19	Semester 1,2,3, or 4

Total Program Units: 30

The **Associate of Science Degree in Emergency Management and Homeland Security** 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	21	Maximum Required Units	21
Minimum Elective Units	9	Maximum Elective Units	9
Local GE Required Units	27	CSUGE Required Units	39
Double Counted Units	0	Double Counted Units	0
Total Minimum Degree Units	**60**	**Total Maximum Degree Units**	**69**

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.

This associate degree program aims to 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 Emergency Management and Homeland Security. The growth of the program will also address to need to increase special populations in Emergency Management and Homeland Security, such as potentially increasing the population of female, Hispanic, African American students and professionals. 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
Projection of number of students to earn certificate/degree annually.

It is projected that 25 students will complete this certificate annually, with a 2-3% increase annually.

Item 6. Place of Program in Curriculum/Similar Programs
Must address how the certificate/degree fits in college's existing inventory.

All of the classes necessary are currently in the college inventory. This will allow for another pathway for our students to earn a degree and/or certificate.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

6 | P a g e

Item 7. Similar Programs at Other Colleges in Service Area
Justification of need for certificate/degree in the region.

No Colleges in the Inland Region offer similar programs. The following colleges offer
Degrees/Certificates in Homeland Security or Emergency Management:
Cerritos
Citrus
Coastline
Grossmont
Palomar
Cypress
Rio Hondo

Item 8. Transfer Preparation Information (if applicable)
*If transfer preparation is a component of the certificate/degree, please provide transfer preparation
information.*

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD
Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

7 |
P a g e

Program Outline

Title: Emergency Management and Homeland Security - Cybersecurity

☒ **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: 2105.30 **CIP Code:** 43.0301

Type of Program:
☐ Certificate of Achievement only ☐ Locally approved certificate (8-units or less) only
☐ Associate Degree only ☒ Certificate of Achievement <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Rationale:
(Please note: This information will be presented to the Board of Trustees.)
The Emergency Management and Homeland Security - Cybersecurity concentration prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors preparing for, mitigating, responding to, and recovering from natural and manmade disasters. The concentration in Cyber Security is specifically designed to prepare Cyber Security Professionals to operate in the complex world of Emergency Management and Homeland Security.

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 (Emergency Management/Homeland Security is
☒ Department minutes showing approval   unique to Moreno Valley College.)
☒ 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.)*

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

1 | P a g e

☒ 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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

2 | Page

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.

Upon completion of this program, students will be able to:

1. Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.

2. Compare and Contrast various forms of National and International Terrorism.

3. Distinguish the fundamental roles and responsibilities of the professional emergency manager.

4. Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.

5. Demonstrate an understanding of the role of cybersecurity professionals in the Homeland Security Enterprise.

Item 2. Catalog Description
Includes program requirements, prerequisite skills or enrollment limitations, program learning outcomes, and information relevant to program goal.

The Emergency Management and Homeland Security – Cybersecurity concentration prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors. The program emphasizes an All-Hazard approach to emergency planning and management, with courses in preparedness planning, risk mitigation, emergency response and disaster recovery. Students who successfully complete the program will gain entry-level employment in the fields of emergency management, homeland security, law enforcement, fire service, urban planning, security management, information security, business continuity, and other service-related occupations. The concentration in Cyber Security is specifically designed to prepare Cyber Security Professionals to operate in the complex world of Emergency Management and Homeland Security.

Upon completion of this program, students will be able to:

1. Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.

2. Compare and Contrast various forms of National and International Terrorism.

3. Distinguish the fundamental roles and responsibilities of the professional emergency manager.

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

3 | P a g e

4. Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.

5. Demonstrate an understanding of the role of cybersecurity professionals in the Homeland Security Enterprise.

Required Courses: __30_ units

Course	Title	Units	Sequencing
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall
HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring
CIS-27	Information and Network Security	3	Semesters 1, 2, 3, or 4
CIS-27A	Computer Forensic Fundamentals	3	Semesters 1, 2, 3, or 4
CIS-41A	Principles of Cybersecurity Analysis	3	Semesters 1, 2, 3, or 4

Total Program Units: __30_ units

The **Associate of Science Degree in Emergency Management and Homeland Security -
Cybersecurity concentration** 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: __30_ units

Course	Title	Units	Sequencing
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall
HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

4 | P a g e

HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring
CIS-27	Information and Network Security	3	Semesters 1, 2, 3, or 4
CIS-27A	Computer Forensic Fundamentals	3	Semesters 1, 2, 3, or 4
CIS-41A	Principles of Cybersecurity Analysis	3	Semesters 1, 2, 3, or 4

Total Program Units: __30__ units

The **Associate of Science Degree in Emergency Management and Homeland Security - Cybersecurity** concentration 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	30	Maximum Required Units	30
Minimum Elective Units	0	Maximum Elective Units	0
Local GE Required Units	27	CSUGE Required Units	39
Double Counted Units	0	Double Counted Units	0
Total Minimum Degree Units	**60**	**Total Maximum Degree Units**	**69**

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.

This associate degree program aims to 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 Emergency Management and Homeland Security. The growth of the program will also address to need to increase special populations in Emergency Management and Homeland Security, such as potentially increasing the population of female, Hispanic, African American students and professionals. 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
Projection of number of students to earn certificate/degree annually.

It is projected that 25 students will complete this certificate annually, with a 2-3% increase annually.

Item 6. Place of Program in Curriculum/Similar Programs
Must address how the certificate/degree fits in college's existing inventory.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

5 | P a g e

All of the classes necessary are currently in the college inventory. This will allow for another pathway for our students to earn a degree and/or certificate.

Item 7. Similar Programs at Other Colleges in Service Area
Justification of need for certificate/degree in the region.

No Colleges in the Inland Region offer similar programs. The following colleges offer Degrees/Certificates in Homeland Security or Emergency Management:
Cerritos
Citrus
Coastline
Grossmont
Palomar
Cypress
Rio Hondo

Item 8. Transfer Preparation Information (if applicable)
If transfer preparation is a component of the certificate/degree, please provide transfer preparation information.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

6 |
P a g e

Program Outline

Title: Emergency Management and Homeland Security—Emergency Medical Services

⊠ **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: 2105.30   **CIP Code:** 43.0301

Type of Program:
☐ Certificate of Achievement only   ☐ Locally approved certificate (8-units or less) only
☐ Associate Degree only   ⊠ Certificate of Achievement <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Rationale:
(Please note: This information will be presented to the Board of Trustees.)
The Emergency Management and Homeland Security Emergency Medical Services program prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors preparing for, mitigating, responding to, and recovering from natural and manmade disasters. The concentration in Emergency Medical Services is specifically designed to prepare persons to operate within the Emergency Medical Services branch of the Incident Command System.

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.

<u>All Degrees and Certificates</u>
☐ Evidence of district-wide discipline communication (Emergency Management/Homeland Security is
⊠ Department minutes showing approval   unique to Moreno Valley College.)
⊠ Narrative *(see following page)*
☐ Transfer preparation documentation *(only if applicable)*

<u>Degrees and Certificates of 8 Units or More with Vocational TOPs Codes</u>
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.)*

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

1 |
P a g e

☒ 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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

2 |
P a g e

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.

Upon completion of this program, students will be able to:

- Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.

- Compare and Contrast various forms of National and International Terrorism.

- Distinguish the fundamental roles and responsibilities of the professional emergency manager.

- Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.

- Demonstrate the skills necessary to function in the EMS branch of the Incident Command System.

Item 2. Catalog Description

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

The Emergency Management and Homeland Security – Emergency Medical Services program prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors. The program emphasizes an All-Hazard approach to emergency planning and management, with courses in preparedness planning, risk mitigation, emergency response and disaster recovery. Students who successfully complete the program will gain entry-level employment in the fields of emergency management, homeland security, law enforcement, fire service, urban planning, security management, information security, business continuity, and other service-related occupations. The concentration in Emergency Medical Services is specifically designed to prepare persons to operate within the Emergency Medical Services branch of the Incident Command System.

Upon completion of this program, students will be able to:

- Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.

- Compare and Contrast various forms of National and International Terrorism.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

3 | Page

- Distinguish the fundamental roles and responsibilities of the professional emergency manager.

- Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.

- Demonstrate the skills necessary to function in the EMS branch of the Incident Command System.

Required Courses:___21__units

Course	Title	Units	Sequencing
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall
HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring

In addition, choose one of the Options below:

Elective Courses – **OPTION 1:___8.5__**units

Course	Title	Units	Sequencing
EMS-50	Emergency Medical Technician	7	Semester 1,2,3, or 4
EMS-51	Emergency Medical Services-Basic Clinical/Field	1.5	Semester 1,2,3, or 4

OR

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

4 |
P a g e

Elective Courses—**OPTION 2:** __15.5__ units

Course	Title	Units	Sequencing
EMS-60	Patient Assessment and Airway Management	4.5	Semester 1,2,3, or 4
EMS-61	Introduction to Medical Pathophysiology	3	Semester 1,2,3, or 4
EMS-62	Emergency Pharmacology	4	Semester 1,2,3, or 4
EMS-63	Cardiology	4	Semester 1,2,3, or 4

Total Program Units: ___29.5-36.5 units

The **Associate of Science Degree in Emergency Management and Homeland Security—Emergency Medical Services** concentration 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: __21__ units

Course	Title	Units	Sequencing
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall
HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

5 | Page

HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring

Elective Courses – **OPTION 1:   8.5** units

Course	Title	Units	Sequencing
EMS-50	Emergency Medical Technician	7	Semester 1,2,3, or 4
EMS-51	Emergency Medical Services-Basic Clinical/Field	1.5	Semester 1,2,3, or 4

OR

Elective Courses—**OPTION 2: 15.5** units

Course	Title	Units	Sequencing
EMS-60	Patient Assessment and Airway Management	4.5	Semester 1,2,3, or 4
EMS-61	Introduction to Medical Pathophysiology	3	Semester 1,2,3, or 4
EMS-62	Emergency Pharmacology	4	Semester 1,2,3, or 4
EMS-63	Cardiology	4	Semester 1,2,3, or 4

Total Program Units: 29.5-36.5   units

The **Associate of Science Degree in Emergency Management and Homeland Security—Emergency Medical Services** concentration 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	21	Maximum Required Units	21
Minimum Elective Units	8.5	Maximum Elective Units	15.5
Local GE Required Units	22	CSUGE Required Units	39
Double Counted Units	0	Double Counted Units	0

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

6 |
P a g e

Total Minimum Degree Units	60	Total Maximum Degree Units	75.5

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.

This associate degree program aims to 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 Emergency Management and Homeland Security. The growth of the program will also address to need to increase special populations in Emergency Management and Homeland Security, such as potentially increasing the population of female, Hispanic, African American students and professionals. 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
Projection of number of students to earn certificate/degree annually.

It is projected that 25 students will complete this certificate annually, with a 2-3% increase annually.

Item 6. Place of Program in Curriculum/Similar Programs
Must address how the certificate/degree fits in college's existing inventory.

All of the classes necessary are currently in the college inventory. This will allow for another pathway for our students to earn a degree and/or certificate.

Item 7. Similar Programs at Other Colleges in Service Area
Justification of need for certificate/degree in the region.

No Colleges in the Inland Region offer similar programs. The following colleges offer Degrees/Certificates in Homeland Security or Emergency Management:
Cerritos
Citrus
Coastline
Grossmont
Palomar
Cypress
Rio Hondo

Item 8. Transfer Preparation Information (if applicable)
If transfer preparation is a component of the certificate/degree, please provide transfer preparation information.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

7 | P a g e

Program Outline

Title: Emergency Management and Homeland Security - Fire Technology

☒ **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: 2105.30   **CIP Code:** 43.0301

Type of Program:
☐ Certificate of Achievement only   ☐ Locally approved certificate (8-units or less) only
☐ Associate Degree only   ☒ Certificate of Achievement <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Rationale:
(Please note: This information will be presented to the Board of Trustees.)
The Emergency Management and Homeland Security--Fire Technology program prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors preparing for, mitigating, responding to, and recovering from natural and manmade disasters. The concentration in Fire Technology is specifically designed to prepare persons to operate within the FIRE branch of the Incident Command System.

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 (Emergency Management/Homeland Security is
☒ Department minutes showing approval   unique to Moreno Valley College.)
☒ Narrative *(see following page)*
☐ Transfer preparation documentation *(only if applicable)*

<u>Degrees and Certificates of 8 Units or More with Vocational TOPs Codes</u>
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.)*

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

1 |
P a g e

*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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

2 |
P a g e

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.

Upon completion of this program, students will be able to:

1. Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.
2. Compare and Contrast various forms of National and International Terrorism.
3. Distinguish the fundamental roles and responsibilities of the professional emergency manager.
4. Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.
5. Demonstrate the skills necessary to function in the FIRE branch of the Incident Command System.

Item 2. Catalog Description
Includes program requirements, prerequisite skills or enrollment limitations, program learning outcomes, and information relevant to program goal.

The Emergency Management and Homeland Security – Fire Technology program prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors. The program emphasizes an All-Hazard approach to emergency planning and management, with courses in preparedness planning, risk mitigation, emergency response and disaster recovery. Students who successfully complete the program will gain entry-level employment in the fields of emergency management, homeland security, law enforcement, fire service, urban planning, security management, information security, business continuity, and other service-related occupations. The concentration in Fire Technology is specifically designed to prepare persons to operate within the FIRE branch of the Incident Command System.

Upon completion of this program, students will be able to:

1. Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.
2. Compare and Contrast various forms of National and International Terrorism.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

3 | Page

3. Distinguish the fundamental roles and responsibilities of the professional emergency manager.

4. Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.

5. Demonstrate the skills necessary to function in the FIRE branch of the Incident Command System.

Required Courses: __21__ units

Course	Title	Units	Sequencing
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall
HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring

Elective Courses: **Select a minimum of __9__ units from below:**

Course	Title	Units	Sequencing
FIT-1	Fire Protection Organization	3	Semester 1,2,3, or 4
FIT-2	Fire Behavior and Combustion	3	Semester 1,2,3, or 4
FIT-3	Fire Protection Equipment and Systems	3	Semester 1,2,3, or 4
FIT-4	Building Construction for Fire Protection	3	Semester 1,2,3, or 4
FIT-5	Fire Prevention	3	Semester 1,2,3, or 4
FIT-7	Principles of Fire and Emergency Services Safety and Survival	3	Semester 1,2,3, or 4
FIT-S3	Basic Fire Fighter Academy	19	Semester 1,2,3, or 4

Total Program Units**: __30__ units**

The **Associate of Science Degree in Emergency Management and Homeland Security—Fire Technology** Concentration will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

4 | Page

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
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall
HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring

Elective Courses: **Select a minimum of __9__ units from below:**

Course	Title	Units	Sequencing
FIT-1	Fire Protection Organization	3	Semester 1,2,3, or 4
FIT-2	Fire Behavior and Combustion	3	Semester 1,2,3, or 4
FIT-3	Fire Protection Equipment and Systems	3	Semester 1,2,3, or 4
FIT-4	Building Construction for Fire Protection	3	Semester 1,2,3, or 4
FIT-5	Fire Prevention	3	Semester 1,2,3, or 4
FIT-7	Principles of Fire and Emergency Services Safety and Survival	3	Semester 1,2,3, or 4
FIT-S3	Basic Fire Fighter Academy	19	Semester 1,2,3, or 4

Total Program Units: __30__ units

The **Associate of Science Degree in Emergency Management and Homeland Security—Fire Technology** Concentration 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	21	Maximum Required Units	21
Minimum Elective Units	9	Maximum Elective Units	9
Local GE Required Units	27	CSUGE Required Units	39
Double Counted Units	0	Double Counted Units	0
Total Minimum Degree Units	**60**	**Total Maximum Degree Units**	**69**

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

5 |
P a g e

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.

This associate degree program aims to 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 Emergency Management and Homeland Security. The growth of the program will also address to need to increase special populations in Emergency Management and Homeland Security, such as potentially increasing the population of female, Hispanic, African American students and professionals. 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
Projection of number of students to earn certificate/degree annually.

It is projected that 25 students will complete this certificate annually, with a 2-3% increase annually.

Item 6. Place of Program in Curriculum/Similar Programs
Must address how the certificate/degree fits in college's existing inventory.

All of the classes necessary are currently in the college inventory. This will allow for another pathway for our students to earn a degree and/or certificate.

Item 7. Similar Programs at Other Colleges in Service Area
Justification of need for certificate/degree in the region.

No Colleges in the Inland Region offer similar programs. The following colleges offer Degrees/Certificates in Homeland Security or Emergency Management:
Cerritos
Citrus
Coastline
Grossmont
Palomar
Cypress
Rio Hondo

Item 8. Transfer Preparation Information (if applicable)
If transfer preparation is a component of the certificate/degree, please provide transfer preparation information.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

6 | P a g e

Program Outline

Title: Emergency Management and Homeland Security - Leadership

☒ **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: 2105.30   **CIP Code:** 43.0301

Type of Program:
☐ Certificate of Achievement only   ☐ Locally approved certificate (8-units or less) only
☐ Associate Degree only   ☒ Certificate of Achievement <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Rationale:
(Please note: This information will be presented to the Board of Trustees.)
The Emergency Management and Homeland Security - Leadership concentration prepares students to be leaders in homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors preparing for, mitigating, responding to, and recovering from natural and manmade disasters. The concentration in Cyber Security is specifically designed to prepare Cyber Security Professionals to operate in the complex world of Emergency Management and Homeland Security.

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 (Emergency Management/Homeland Security is
☒ Department minutes showing approval   unique to Moreno Valley College.)
☒ 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.)*

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

1 | P a g e

☒ 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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

2 | P a g e

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.

Upon completion of this program, students will be able to:

1. Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.

2. Compare and Contrast various forms of National and International Terrorism.

3. Distinguish the fundamental roles and responsibilities of the professional emergency manager.

4. Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.

5. Demonstrate an understanding of the role of Ethical Leadership in the Homeland Security Enterprise.

Item 2. Catalog Description
Includes program requirements, prerequisite skills or enrollment limitations, program learning outcomes, and information relevant to program goal.

The Emergency Management and Homeland Security - Leadership concentration prepares students to be leaders in homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors. The program emphasizes an All-Hazard approach to emergency planning and management, with courses in preparedness planning, risk mitigation, emergency response and disaster recovery. Students who successfully complete the program will gain entry-level employment in the fields of emergency management, homeland security, law enforcement, fire service, urban planning, security management, information security, business continuity, and other service-related occupations. The concentration in Cyber Security is specifically designed to prepare Cyber Security Professionals to operate in the complex world of Emergency Management and Homeland Security.

Upon completion of this program, students will be able to:

1. Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.

2. Compare and Contrast various forms of National and International Terrorism.

3. Distinguish the fundamental roles and responsibilities of the professional emergency manager.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

3 | P a g e

4. Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.

5. Demonstrate an understanding of the role of Ethical Leadership professionals in the Homeland Security Enterprise.

Required Courses: __33__units

Course	Title	Units	Sequencing
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall
HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring
HLS-50	Developing a Personal Philosophy of Leadership and Ethics	3	Semesters 1, 2, 3, or 4
HLS-51	Leading others Ethically	3	Semesters 1, 2, 3, or 4
HLS-52	Ethical Leadership in Organizations	3	Semesters 1, 2, 3, or 4
HLS-53	Ethics and the Challenge of Leadership	3	Semesters 1, 2, 3, or 4

Total Program Units: __33__ units

The **Associate of Science Degree in Emergency Management and Homeland Security - Leadership concentration** 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: __33__units

Course	Title	Units	Sequencing
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD
Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

4 |
P a g e

HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring
HLS-50	Developing a Personal Philosophy of Leadership and Ethics	3	Semesters 1, 2, 3, or 4
HLS-51	Leading others Ethically	3	Semesters 1, 2, 3, or 4
HLS-52	Ethical Leadership in Organizations	3	Semesters 1, 2, 3, or 4
HLS-53	Ethics and the Challenge of Leadership	3	Semesters 1, 2, 3, or 4

Total Program Units: __33__ units

The **Associate of Science Degree in Emergency Management and Homeland Security - Leadership** concentration 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	33	Maximum Required Units	33
Minimum Elective Units	0	Maximum Elective Units	0
Local GE Required Units	27	CSUGE Required Units	39
Double Counted Units	0	Double Counted Units	0
Total Minimum Degree Units	**60**	**Total Maximum Degree Units**	**72**

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.

This associate degree program aims to 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 Emergency Management and Homeland Security. The growth of the program will also address to need to increase special populations in Emergency Management and Homeland Security, such as potentially increasing the population of female, Hispanic, African American students and professionals. 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
Projection of number of students to earn certificate/degree annually.

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

5 |
P a g e

It is projected that 25 students will complete this certificate annually, with a 2-3% increase annually.

Item 6. Place of Program in Curriculum/Similar Programs
Must address how the certificate/degree fits in college's existing inventory.

All of the classes necessary are currently in the college inventory. This will allow for another pathway for our students to earn a degree and/or certificate.

Item 7. Similar Programs at Other Colleges in Service Area
Justification of need for certificate/degree in the region.

No Colleges in the Inland Region offer similar programs. The following colleges offer Degrees/Certificates in Homeland Security or Emergency Management:
Cerritos
Citrus
Coastline
Grossmont
Palomar
Cypress
Rio Hondo

Item 8. Transfer Preparation Information (if applicable)
If transfer preparation is a component of the certificate/degree, please provide transfer preparation information.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

6 |
P a g e

Program Outline

Title: Emergency Management and Homeland Security—Law Enforcement

☒ **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: 2105.30   **CIP Code:** 43.0301

Type of Program:
☐ Certificate of Achievement only   ☐ Locally approved certificate (8-units or less) only
☐ Associate Degree only   ☒ Certificate of Achievement <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Rationale:
(Please note: This information will be presented to the Board of Trustees.)
The Emergency Management and Homeland Security **–** Law Enforcement concentration prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors preparing for, mitigating, responding to, and recovering from natural and manmade disasters. The concentration in Law Enforcementis specifically designed to prepare persons to operate within the LAW branch of the Incident Command System.

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 (Emergency Management/Homeland Security is
☒ Department minutes showing approval   unique to Moreno Valley College.)
☒ 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.)*

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

1 | P a g e

*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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

2 | P a g e

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.

Upon completion of this program, students will be able to:

- Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.

- Compare and Contrast various forms of National and International Terrorism.

- Distinguish the fundamental roles and responsibilities of the professional emergency manager.

- Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.

- Demonstrate the skills necessary to function in the LAW branch of the Incident Command System.

Item 2. Catalog Description

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

The Emergency Management and Homeland Security- Law Enforcement concentration prepares students to enter the emerging profession of homeland security and emergency management. The curriculum is designed to provide the learner with a foundation of technical and professional knowledge to meet local, state, and national safety responsibilities both in the public and private sectors. The program emphasizes an All-Hazard approach to emergency planning and management, with courses in preparedness planning, risk mitigation, emergency response and disaster recovery. Students who successfully complete the program will gain entry-level employment in the fields of emergency management, homeland security, law enforcement, fire service, urban planning, security management, information security, business continuity, and other service-related occupations. The concentration in Law Enforcementis specifically designed to prepare persons to operate within the LAW Branch of the Incident Command System.

Upon completion of this program, students will be able to:

- Recognize the types of natural, manmade, and technological hazards that can negatively impact a community.

- Compare and Contrast various forms of National and International Terrorism.

- Distinguish the fundamental roles and responsibilities of the professional emergency manager.

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

3 | P a g e

- Demonstrate skills necessary to prepare for, mitigate, respond to, and recover from manmade and natural disasters.

- Demonstrate the skills necessary to function in the LAW branch of the Incident Command System.

Required Courses: __21_units

Course	Title	Units	Sequencing
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall
HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring

Elective Courses: **Select a minimum of_9__units from below:**

Course	Title	Units	Sequencing
ADJ-1	Introduction to Administration of Justice	3	Semester 1,2,3, or 4
ADJ-2	Principles and Procedures of the Justice System	3	Semester 1,2,3, or 4
ADJ-3	Concepts of Criminal Law	3	Semester 1,2,3, or 4
ADJ-4	Legal Aspects of Evidence	3	Semester 1,2,3, or 4
ADJ-5	Community Relations	3	Semester 1,2,3, or 4
ADJ-6	Patrol Procedures	3	Semester 1,2,3, or 4
ADJ-8	Juvenile Law and Procedures	3	Semester 1,2,3, or 4
ADJ-12	Introduction to Criminalistics	3	Semester 1,2,3, or 4
ADJ-13	Criminal Investigations	3	Semester 1,2,3, or 4
ADJ-15	Narcotics	3	Semester 1,2,3, or 4
ADJ-19	Introduction to Policing	3	Semester 1,2,3, or 4
ADJ-20	Introduction to Corrections	3	Semester 1,2,3, or 4
ADJ-21	Control & Supervision in Corrections	3	Semester 1,2,3, or 4
ADJ-22	Legal Aspects of Corrections	3	Semester 1,2,3, or 4
ADJ-24	Interviewing & Interrogation	3	Semester 1,2,3, or 4
ADJ-40	Law Enforcement Crime Analysis	3	Semester 1,2,3, or 4
ADJ-41	Technology & Investigative Analysis	3	Semester 1,2,3, or 4
ADJ-42	Criminal Behavior and Intelligence Analysis	3	Semester 1,2,3, or 4

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

4 |
P a g e

ADJ-43	Criminal Intelligence Analyst Simulations	3.5	Semester 1,2,3, or 4
ADJ-B1B	Basic Peace Officer Training Academy	40	Semester 1,2,3, or 4
ADJ-C1D	Basic Correctional Deputy Academy	15	Semester 1,2,3, or 4
ADJ-D1A	Basic Public Safety Dispatch Course	6	Semester 1,2,3, or 4
ADJ-R1B	Level II Modular Academy Training	9	Semester 1,2,3, or 4
ADJ-R1A	Level III Modular Academy Training	6	Semester 1,2,3, or 4
ADJ-R1C	Regular Basic Course, Modular Format, Module I Training	19	Semester 1,2,3, or 4

Total Program Units: __30__ units

The **Associate of Science Degree in Emergency Management and Homeland Security—Law Enforcement** 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: __21__ units

Course	Title	Units	Sequencing
HLS-1	Introduction to Homeland Security and Terrorism	3	Semester 1, Fall
HLS-101	Introduction to Emergency Management	3	Semester 1, Fall
HLS-2	Preparedness for Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-3	Response to Emergencies, Disasters & Homeland Security Incidents	3	Semester 2, Spring
HLS-4	Recovery in Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-5	Investigation of Emergencies, Disasters & Homeland Security Incidents	3	Semester 3, Fall
HLS-6	Case Studies Emergencies, Disasters & Homeland Security Incidents	3	Semester 4, Spring

Elective Courses: **Select a minimum of __9__ units from below:**

Course	Title	Units	Sequencing
ADJ-1	Introduction to Administration of Justice	3	Semester 1,2,3, or 4
ADJ-2	Principles and Procedures of the Justice System	3	Semester 1,2,3, or 4
ADJ-3	Concepts of Criminal Law	3	Semester 1,2,3, or 4
ADJ-4	Legal Aspects of Evidence	3	Semester 1,2,3, or 4

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021*

5 | P a g e

ADJ-5	Community Relations	3	Semester 1,2,3, or 4
ADJ-6	Patrol Procedures	3	Semester 1,2,3, or 4
ADJ-8	Juvenile Law and Procedures	3	Semester 1,2,3, or 4
ADJ-12	Introduction to Criminalistics	3	Semester 1,2,3, or 4
ADJ-13	Criminal Investigations	3	Semester 1,2,3, or 4
ADJ-15	Narcotics	3	Semester 1,2,3, or 4
ADJ-19	Introduction to Policing	3	Semester 1,2,3, or 4
ADJ-20	Introduction to Corrections	3	Semester 1,2,3, or 4
ADJ-21	Control & Supervision in Corrections	3	Semester 1,2,3, or 4
ADJ-22	Legal Aspects of Corrections	3	Semester 1,2,3, or 4
ADJ-24	Interviewing & Interrogation	3	Semester 1,2,3, or 4
ADJ-40	Law Enforcement Crime Analysis	3	Semester 1,2,3, or 4
ADJ-41	Technology & Investigative Analysis	3	Semester 1,2,3, or 4
ADJ-42	Criminal Behavior and Intelligence Analysis	3	Semester 1,2,3, or 4
ADJ-43	Criminal Intelligence Analyst Simulations	3.5	Semester 1,2,3, or 4
ADJ-B1B	Basic Peace Officer Training Academy	40	Semester 1,2,3, or 4
ADJ-C1D	Basic Correctional Deputy Academy	15	Semester 1,2,3, or 4
ADJ-D1A	Basic Public Safety Dispatch Course	6	Semester 1,2,3, or 4
ADJ-R1B	Level II Modular Academy Training	9	Semester 1,2,3, or 4
ADJ-R1A	Level III Modular Academy Training	6	Semester 1,2,3, or 4
ADJ-R1C	Regular Basic Course, Modular Format, Module I Training	19	Semester 1,2,3, or 4

Total Program Units: 30 units

The **Associate of Science Degree in Emergency Management and Homeland Security—Law Enforcement** 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	21	Maximum Required Units	21
Minimum Elective Units	9	Maximum Elective Units	9
Local GE Required Units	27	CSUGE Required Units	39
Double Counted Units	0	Double Counted Units	0
Total Minimum Degree Units	**60**	**Total Maximum Degree Units**	**69**

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.

This associate degree program aims to 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 Emergency Management and Homeland Security. The growth of the program will also address to need to increase special populations in Emergency Management and Homeland Security,

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised April 2021

6 | P a g e

such as potentially increasing the population of female, Hispanic, African American students and professionals. 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
Projection of number of students to earn certificate/degree annually.

It is projected that 25 students will complete this certificate annually, with a 2-3% increase annually.

Item 6. Place of Program in Curriculum/Similar Programs
Must address how the certificate/degree fits in college's existing inventory.

All of the classes necessary are currently in the college inventory. This will allow for another pathway for our students to earn a degree and/or certificate.

Item 7. Similar Programs at Other Colleges in Service Area
Justification of need for certificate/degree in the region.

No Colleges in the Inland Region offer similar programs. The following colleges offer Degrees/Certificates in Homeland Security or Emergency Management:
Cerritos
Citrus
Coastline
Grossmont
Palomar
Cypress
Rio Hondo

Item 8. Transfer Preparation Information (if applicable)
If transfer preparation is a component of the certificate/degree, please provide transfer preparation information.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

7 |
P a g e

Program Outline of Record –
Credit Degrees and Certificates

Program Outline

Title: Registered Nursing

☐ **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: 1230.10   **CIP Code: 513801**

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.)

Revised Program Learning Outcomes (concepts the same but wording changed).

Upon completion of the RCC ADN (RN) program, the graduate will:

- Provide quality, safe, patient-centered nursing care using evidence-based practices as a competent, entry-level professional nurse generalist.
- Function within the scope and standards of practice as a competent, entry-level professional nurse generalist while assimilating all ethical and legal principles.
- Function as a leader, assimilating leadership principles in a variety of health care settings for diverse patient populations as a competent, entry-level professional nurse generalist.
- Exemplify caring through behaviors that support relationship-centered care and demonstrate respect and sensitivity to others as a competent, entry-level professional nurse generalist.
- Assimilate communication principles to foster collaborative relationships using effective communication with the interprofessional health care team for the purpose of providing and improving patient outcomes as a competent, entry-level professional nurse generalist.
- Assimilate critical thinking principles using clinical reasoning to make sound clinical judgments necessary for providing safe patient care and promoting quality improvement as a competent, entry-level professional nurse generalist.
- Integrate nursing informatics and competently demonstrate the use of technology to effectively communicate, enhance knowledge, manage and analyze data, prevent errors, and support decision-making as a competent, entry-level professional nurse generalist.

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

The concepts of the Program Learning Outcomes remained the same. Wording was changed to provide better clarity and scope of practice delineation.

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)*

- The community college **registered nursing** program provides the knowledge, skills, and abilities that lead to the *registered nurse* occupation. *Registered nurses* is a **community college-level occupation** and is an **essential critical infrastructure occupation**.
- The *registered nurses* occupation is projected to have **2,367 annual job openings**, **increasing employment by 12%** through 2024.
- The **10th percentile hourly wage** for this occupation is **$34.04 per hour, well above the regional $21.78 per hour self-sustainable wage standard** for a single adult with one child.
- In 2019, there were 30,583 *registered nurse* jobs in the Inland Empire/Desert Region. This occupation is projected to have 2,367 annual job openings to fill new or backfill jobs that workers are permanently vacating (includes occupational transfers and retirements). This occupation is expected to increase employment by 12% through 2024, which is less than the previous five years of job growth (2014-2019) at 23%.

(See attachment)

☐ 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 <u>cannot</u> appear on student transcripts and the college <u>cannot</u> 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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

2 | P a g e

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.

Mission of Riverside City College: Riverside City College provides a high-quality affordable education and engages with a diverse community of learners by offering pre-college, transferable, and career-technical courses leading to locally-approved and state-approved certificates, associate degrees, associate degrees for transfer, and transfer. Based on a learner-centered philosophy, the College fosters critical thinking; develops information competency and technological literacy; expands communication skills, and promotes self-development and global awareness. To encourage student success, the College provides comprehensive learning and student support services; co-curricular activities; and community and Arts programs. RCC supports and empowers students as they work toward individual achievement, intellectual curiosity, and life-long learning.

The mission of the RCC School of Nursing: The RCC School of Nursing provides excellence in education to a diverse student population to meet the healthcare needs of our community members by engaging in professional nursing practice.

The nursing program contributes to the mission of the college by offering a career pathway towards an associate of science degree vocational nursing or a certificate to meet the healthcare needs of the local community.

Item 2. Catalog Description

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

The School of Nursing is a vital component of Riverside City College (RCC) and embraces the mission, values, and traditions of both the RCC District and the College. The School of Nursing prepares quality nursing healthcare providers using a student- centered approach through teaching excellence in an environment conducive to learning. The Associate Degree Nursing (ADN) program prepares individuals for professional generalist nursing roles and for collaboration with other professionals and consumers in the delivery of holistic healthcare.

PROGRAM LEARNING OUTCOMES

Upon completion of the RCC ADN (RN) program, the graduate will:

- Provide quality, safe, patient-centered nursing care using evidence-based practices as a competent, entry-level professional nurse generalist.
- Function within the scope and standards of practice as a competent, entry-level professional nurse generalist while assimilating all ethical and legal principles.
- Function as a leader, assimilating leadership principles in a variety of health care settings for diverse patient populations as a competent, entry-level professional nurse generalist.
- Exemplify caring through behaviors that support relationship-centered care and demonstrate respect and sensitivity to others as a competent, entry-level professional nurse generalist.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

3 | P a g e

- Assimilate communication principles to foster collaborative relationships using effective communication with the interprofessional health care team for the purpose of providing and improving patient outcomes as a competent, entry-level professional nurse generalist.
- Assimilate critical thinking principles using clinical reasoning to make sound clinical judgments necessary for providing safe patient care and promoting quality improvement as a competent, entry-level professional nurse generalist.
- Integrate nursing informatics and competently demonstrate the use of technology to effectively communicate, enhance knowledge, manage and analyze data, prevent errors, and support decision-making as a competent, entry-level professional nurse generalist.

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: 67-68 units

Course	Title	Units
BIO-50A	Anatomy and Physiology I	4
BIO-50B	Anatomy and Physiology II	4
BIO-55	Microbiology	4
PSY-9	Developmental Psychology	3
SOC-1/1H or ANT-2/2H	Introduction to Sociology Cultural Anthropology	3 or 3
ENG-1A/1AH	English Composition	4
COM-1/1H Or COM-9/9H	Public Speaking Interpersonal Communication	3 or 3
MAT-12/12H Or PSY-48 Or SOC-48	Statistics Statistics for the Behavioral Sciences Statistics for the Behavioral Sciences	4 Or 3 Or 3
NRN-11	Foundations of Nursing Practice Across the Lifespan	8.5
NRN-11A	Nursing Learning Laboratory	.5
NRN-12	Acute and Chronic Medical-Surgical Nursing Across the Lifespan and Maternity Nursing	8.5
NRN-12A	Nursing Learning Laboratory	.5
NRN-14	Health Promotion and Wellness Across the Lifespan	3
NRN-21	Acute Adult Medical-Surgical and Mental Health Nursing	8.5
NRN-21A	Nursing Learning Laboratory	.5
NRN-22	Advanced Medical-Surgical Nursing Across the Lifespan and Acute Pediatrics	8.5
NRN-22A	Nursing Learning Laboratory	.5

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

4 | P a g e

	Total units for required courses:	*67-68*
American Institutions	Choose from (list courses) :	3
Humanities Elective	Choose from (list courses) :	3
	Total units for elective courses	*6*
	Total Program Units (65 required + 9 elective):	73-74 units

*Elective Courses: **6 units***

Course	Title	Units
American Institutions	Choose from (list courses) :	3
Humanities Elective	Choose from (list courses) :	3
	Total units for elective courses	*6*

*Total Program Units: **73-74 units***

Minimum Degree Units		Maximum Degree Units	
Minimum Required Units	67	Maximum Required Units	68
Minimum Elective Units	6	Maximum Elective Units	6
Local GE Required Units	22	CSUGE Required Units	39
Double Counted Units	24	Double Counted Units	26
Total Minimum Degree Units	71	Total Maximum Degree Units	87

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.

Facilities

The college has the facilities and resources to maintain the courses at the level of quality described in this proposal. All courses are already active and offered on a regular basis at Riverside City College

Program Costs.
Student Expenses (per year) :

1. Students pay Health Services Fees ($25), parking ($125), Student Services Fees ($30) and tuition ($46) per unit each semester. The cost is approximately $6,000 for four semesters and an intersession.

2. Students furnish their own uniforms. The cost is approximately $250.

3. The costs of nursing books, supply bag, iPad, testing platform and other required supplies are approximately $2,500 for two years.

4. Physical examination/lab work costs are approximately $98 - $600.

5. Background checks/CPR costs approximately $220.

6. It is recommended that students carry personal health and accident insurance including hospitalization. Policies are available to college students at reasonable rates. The college provides liability insurance at no cost to the student.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

5 | P a g e

7.   Students are required to purchase standardized testing package for use during the program. Estimated cost is $580.

Item 5. Enrollment and Completer Projections
Projection of number of students to earn certificate/degree annually.

The ADN (RN) program graduates 180 students annually.

Item 6. Place of Program in Curriculum/Similar Programs
Must address how the certificate/degree fits in college's existing inventory.

This program is already in place at Riverside City College. The modification is the revision of Program Learning Outcomes

Item 7. Similar Programs at Other Colleges in Service Area
Justification of need for certificate/degree in the region.

The following community colleges also have ADN (RN) programs in the Inland Empire:

1.   College of the Desert
2.   Copper Mountain College
3.   Mt. San Jacinto
4.   Chaffey College
5.   Victor Valley
6.   San Bernardino Valley

Item 8. Transfer Preparation Information (if applicable)
If transfer preparation is a component of the certificate/degree, please provide transfer preparation information.

RCCD | RIVERSIDE COMMUNITY COLLEGE DISTRICT
MORENO VALLEY COLLEGE | NORCO COLLEGE | RIVERSIDE CITY COLLEGE

**Record –
Credit Degrees and Certificates**

Program Outline

Title: ASSOCIATE IN SCIENCE DEGREE IN PARALEGAL STUDIES

☐ **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: 140200/1402.00   **CIP Code:220302/22.302**

Type of Program:
☐ Certificate of Achievement only   ☐ Locally approved certificate (8-units or less) only
☒ Associate Degree only   ☐ Certificate of Achievement <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Degree is being modified to include the following Required Level I Course
        PAL 65, Law Office Technology

Degree is being modified to remove/delete the following Level I Courses:
        CAT/CIS 80-Word Processing: Microsoft Word for Windows
        CAT/CIS 84-Word Processing: WordPerfect for Windows

        These course options are being replaced with the PAL-65, Law Office Technology

Degree is being modified to remove the following Specialty course:
        ACC 1A-Principles of Accounting

Degree is being modified to include the following **NEW** Specialty/Elective Course options:

        PAL 82, Immigration Law Practice, Practice and Procedures (new course)
        PAL 84, Criminal Law and Procedure (new course)
        PAL 89, Sports Management and Entertainment Law (new course)
        PAL 86, Tort Law and Alternative Dispute Resolution (new course)
        PAL 90, E-Discovery and Litigation Support (new course)
        BUS 15, Street Law (existing course) in business department

        Course will continue to include the already EXISTENT Specialty/Elective Course Options:

        PAL 80, Internship Project
        PAL 81, Bankruptcy Law and Procedures

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

1 | Page

PAL 83, Estate Planning and Probate Procedures
PAL 85, Family Law and Procedures
PAL 87, Trial Practice Preparation and Procedures
PAL 82, Legal Aspects of Real Estate

Rationale: The changing climate of the legal field has dictated new and revised courses to align with industry needs. The program and courses are geared for students to connect with industry earlier on in the program. This includes, but is not limited to employment, apprenticeship, internships and to position themselves for summer legal institutes. There are also technological changes occurring in the profession. Additionally, students have been placed in internships and employment in many of these areas. Preparing them with the courses can foster a better position for their success within the industry areas. Additionally, the program exceeds the standards of the California Business & Professions Code and the American Bar Association. The Paralegal Program in the future will seek official American Bar Association Approval of Paralegal Programs and thus positions itself for that process.
(Please note: This information will be presented to the Board of Trustees.)

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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

2 | P a g e

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.

As part of a valid workforce preparation purpose, a key trait of a successful paralegal is understanding how the law and the legal system functions. As such, the paralegal program prepares students to understand the process. The program further provides students to work in an entry-level position, and helps students understand the skills they will need to develop as they move into more advanced areas of their career. As part of the program, students take introductory and specialty industry courses. The diversity of courses offered provide students working knowledge for a variety of legal environments upon obtaining their degree.

Further, the program affords students a diverse range of legal tasks professionally and effectively, which in turn prepares students to work in a diverse, fast-paced legal environments by completing a variety of legal tasks. Level I and II courses, as well as Specialty courses in the program provide students opportunities to hone in on clear written and communication skills, while paying attention to detail. Additional skills gained include, but are not limited to organizing general and specialty files, preparing legal documents, research, client interviewing, drafting case arguments, communicating with legal professionals, and taking detailed notes for case facts and analysis. Graduates of the program further develop the analytical skills needed to think critically about legal cases and support for case development.

Students completing the program are prepared to work with lawyers, other legal professionals, courts and legal process, and clients.

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 research, drafting, investigatory activities, record-keeping and related Paralegal administrative functions under the supervision of an attorney in a law firm, public or private entity, and/or within a courtroom setting. This includes instruction in legal research, drafting legal documents, appraising, pleading, courthouse procedures, and legal specializations.

Program Learning Outcomes Upon successful completion of this program, students should be able to:
- Produce written legal documents involved in litigation. Utilize electronic resources to research law and apply it to a given set of facts.
- Utilize appropriate judicial council pleading forms to produce documents required for pursuing and defending a lawsuit.
- Demonstrate a working knowledge of discovery tools and their functions as they relate to trial.
- Demonstrate ethical behavior of paralegals relevant to the attorney/ client relationship.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

3 | Page

RCCD | RIVERSIDE COMMUNITY COLLEGE DISTRICT
MORENO VALLEY COLLEGE | NORCO COLLEGE | RIVERSIDE CITY COLLEGE

**Record –
Credit Degrees and Certificates**

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: 28.5 units
Level I Courses

Course	Title	Units	Sequencing
BUS-18A	Business Law I	3	Semester 1, Fall
PAL-10	Introduction to Paralegal Studies	3	Semester 1, Fall
PAL-64	Legal Research and Computer Applications	3	Semester 1, Fall
PAL-65	Law Office Technology	3	Semester 1, Fall
PAL-68	Civil Litigation and Procedures I	3	Semester 1, Fall

Level II Courses

Course	Title	Units	Sequencing
BUS-18B	Business Law II	3	Semester 2, Spring
PAL-14	Legal Ethics	3	Semester 2, Spring
PAL-70	Law Office Policies and Procedures	1.5	Semester 2, Spring
PAL-72	Legal Analysis and Writing	3	Semester 2, Spring
PAL-78	Civil Litigation and Procedures II	3	Semester 2, Spring

Elective Courses: _9_ units (Specialty Courses, Select 9 Units from the following)

Course	Title	Units	Sequencing
BUS-15	Street Law	3	Semester 3, Fall
PAL-80	Internship Project	1.5	Semester 3, Fall
PAL-81	Bankruptcy Law and Procedures	3	Semester 3, Fall
PAL-82	Immigration Law, Practice and Procedures	3	Semester 3, Fall or Semester 4, Spring
PAL-83	Estate Planning and Probate Procedures	3	Semester 3, Fall or Semester 4, Spring
PAL-84	Criminal Law and Procedures	3	Semester 3, Fall or Semester 4, Spring
PA-85	Family Law and Procedures		Semester 3, Fall or Semester 4, Spring
PAL-86	Tort Law and Alternative Dispute Resolution	3	Semester 3, Fall or Semester 4, Spring
PAL-87	Trial Practice Preparation and Procedures	3	Semester 3, Fall or Semester 4, Spring
PAL-89	Sports Management and Entertainment Law	3	Semester 4, Spring
PAL-90	E-Discovery and Litigation Support	3	Semester 4, Spring

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

4 | P a g e

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

Total Program Units: 37.5 units

Minimum Degree Units		Maximum Degree Units	
Minimum Required Units	28.5	Maximum Required Units	28.5
Minimum Elective Units	9	Maximum Elective Units	9
Local GE Required Units	27	CSUGE Required Units	39
Double Counted Units	0	Double Counted Units	0
Total Minimum Degree Units	64.5	Total Maximum Degree Units	76.5

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 Associate in Science in Paralegal Studies degree align with the College's mission statement by offering career and technical courses that prepare students for the workforce.

Item 5. Enrollment and Completer Projections
Projection of number of students to earn certificate/degree annually.
Projections for *2019/2020 (20), *2020/2021 (25) 2021/2022 (30)

*Data pending

Item 6. Place of Program in Curriculum/Similar Programs
Must address how the certificate/degree fits in college's existing inventory.

The Paralegal Studies degree is a business discipline and is housed in the Business, Information Systems and Technology Department of Riverside City College. It is a Riverside City College only program.

Item 7. Similar Programs at Other Colleges in Service Area
Justification of need for certificate/degree in the region.

Chaffey (Paralegal Studies)
Mt. San Jacinto (Legal Studies)
Victor Valley (Paralegal Studies)
Chaffey College (Paralegal Studies)
Santa Ana College (Paralegal Studies)

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

5 | Page

Labor Market Industry data indicates continual growth. Our program is housed within the city of the Superior Court of California, County of Riverside; downtown Riverside region.

In 2019, there were 3,787 combined paralegal and related jobs group in the Inland Empire/Desert Region. Employment in this group is expected to increase by 2% over the next five years. The paralegal and legal assistants occupations will increase new job employment by 9%, while legal secretaries and administrative Paralegal in the Inland Empire/Desert Region, March 2021 2 assistants (-6%) and title examiners, abstractors, and searchers (-4%) are expected to see employment decline.

Item 8. Transfer Preparation Information (if applicable)
If transfer preparation is a component of the certificate/degree, please provide transfer preparation information.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk. Revised April 2021

6 | P a g e

RIVERSIDE COMMUNITY
COLLEGE DISTRICT

MORENO VALLEY COLLEGE | NORCO COLLEGE | RIVERSIDE CITY COLLEGE

Program Outline

Title: Licensed Vocational Nursing

☐ **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: 1230.20   **CIP Code: 513901**

Type of Program:
☐ Certificate of Achievement only   ☐ Associate's Degree only   ☒ Certificate <u>and</u> 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:
(<u>Please be specific</u>! Indicate any changes to title, description, learning outcomes, courses, unit values, etc.)

Changes were made to program description and added BIO-50A and 50B as an additional option for students to take to fulfill their Anatomy and Physiology requirement.

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

Many students seek to bridge into the Registered Nursing program from the Licensed Vocational Nursing program and are required to take BIO-50A and 50B to fulfill their Anatomy and Physiology requirement. The minimum Anatomy and Physiology requirement for the VN program is BIO-45. Currently, students who take BIO-50A and 50B are not auto-awarded a certificate or degree and this process is having to be done manually. By allowing BIO-50A and 50B as an option in the system, more degrees and certificates can be auto-awarded, in addition to providing more course options for students achieve their educational goals.

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)*

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

1 | P a g e

- Licensed practical and licensed vocational nurse jobs are expected to increase by **11% between 2017 and 2022** in the Inland Empire/Desert Region. A total of **3,679 job openings** will be available over the five-year timeframe.

- The entry-level wage for licensed practical and licensed vocational nurses is **above the MIT Living Wage estimate of $12.30 per hour** for a single adult living in the Inland Empire/Desert Region.

- Occupational demand appears to be met by educational supply based on the average annual number of program completers for the selected community college program **(164 community college credentials, 552 other educational institution credentials, 716 annual average total**), and the annual openings for licensed practical and licensed vocational nurses in the region (**736 annual job openings**). It is recommended the colleges contact local employers to understand their future employment needs.

(See attachment)

☒ Advisory Committee Recommendation *(required for new programs and modifications)*
Meeting will occur on 10/26/20 and minutes will be forwarded
☐ 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 <u>cannot</u> appear on student transcripts and the college <u>cannot</u> 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
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.

Mission of Riverside City College: Riverside City College provides a high-quality affordable education and engages with a diverse community of learners by offering pre-college, transferable, and career-technical courses leading to locally-approved and state-approved certificates, associate degrees, associate degrees for transfer, and transfer. Based on a learner-centered philosophy, the College fosters critical thinking; develops information competency and technological literacy; expands communication skills, and promotes self-development and global awareness. To encourage student success, the College provides comprehensive learning and student support services; co-curricular activities; and community and Arts programs. RCC supports and empowers students as they work toward individual achievement, intellectual curiosity, and life-long learning.

The mission of the RCC School of Nursing: The RCC School of Nursing provides excellence in education to a diverse student population to meet the healthcare needs of our community members by engaging in professional nursing practice.

The nursing program contributes to the mission of the college by offering a career pathway towards an associate of science degree vocational nursing or a certificate to meet the healthcare needs of the local community.

Item 2. Catalog Description
Includes program requirements, prerequisite skills or enrollment limitations, program learning outcomes, and information relevant to program goal.

The School of Nursing is a vital component of Riverside City College (RCC) and embraces the mission, values, and traditions of both the RCC District and the College. The School of Nursing prepares quality nursing healthcare providers using a student- centered approach through teaching excellence in an environment conducive to learning. The Vocational Nursing (VN) program prepares individuals to provide general nursing care under the direction of a registered nurse, physician or dentist, including the collaboration with other professionals and consumers in the delivery of holistic healthcare.

PROGRAM LEARNING OUTCOMES

• Provide quality, safe, patient-centered nursing care using evidence-based practices.
• Function as a professional and competent entry level health care provider while assimilating all ethical and legal principles.
• Provide leadership in a variety of healthcare settings for diverse patient populations.
• Integrate caring relationships into nursing interventions that positively influence health outcomes and demonstrate sensitivity to the values of others.
• Participate in collaborative relationships through communication with members of the inter-professional healthcare team for the purpose of providing and improving patient care.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

3 | P a g e

• Incorporate critical thinking principles using reasoning and adaptability to make sound clinical judgments necessary for the provision of quality patient care and continuous quality improvement.
• Employ technology to effectively communicate, manage knowledge, prevent errors, and support decision-making.

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: 51-56 units

Course	Course Name	Units
BIO-45 OR BIO-50A And BIO-50B	Survey of Human Anatomy and Physiology OR Anatomy and Physiology, I and Anatomy and Physiology II	3 OR 4 and 4
NVN-52	Introductory Concepts of Vocational Nursing-Nursing Fundamentals	9.5
NVN-55A	Vocational Nursing Practice and Nutrition Across the Lifespan	3
NVN-55B	Principles of Pathophysiology	2
NVN-60	Intermediate Vocational Nursing Foundations-Nursing Process/Communication	1
NVN-61	Intermediate Concepts of Vocational Nursing-Care of the Family	6
NVN-62	Intermediate Concepts of Vocational Nursing-Medical/Surgical	12
NVN-63	Intermediate Concepts of Vocational Nursing-Mental Health	3
NVN-70	Advanced Vocational Nursing Foundations-Role Transition	1
NVN-71	Advanced Concepts of Vocational Nursing-Medical/Surgical	7.5
PSY-9	Developmental Psychology	3
	Total Program Units	51-56 units

Elective Courses: 0 units

Course	Title	Units	Sequencing

Total Program Units: 51-56 units

Minimum Degree Units		Maximum Degree Units	
Minimum Required Units	51	Maximum Required Units	56
Minimum Elective Units	0	Maximum Elective Units	0
Local GE Required Units	27	CSUGE Required Units	39
Double Counted Units	12	Double Counted Units	7
Total Minimum Degree Units	66	Total Maximum Degree Units	88

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.

Facilities

The college has the facilities and resources to maintain the courses at the level of quality described in this proposal. All courses are already active and offered on a regular basis at Riverside City College

Program Costs.
Student Expenses (per year) :

1. Students pay Health Services Fees ($25), parking ($150), Student Services Fees ($30) and tuition ($46) per unit each semester. The cost is approximately $6,000 for four semesters and an intersession.

2. Students furnish their own uniforms. The cost is approximately $250.

3. The costs of nursing books and supplies are approximately $1,700 for one year.

4. Physical examination/lab work costs are approximately $98 - $600.

5. Background checks/CPR costs approximately $220.

6. It is recommended that students carry personal health and accident insurance including hospitalization. Policies are available to college students at reasonable rates. The college provides liability insurance at no cost to the student.

7. Students are required to purchase standardized testing package for use during the program. Estimated cost is $400.

Item 5. Enrollment and Completer Projections

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

Course	2018 - 2019			2019 - 2020	
	Sections Offered	Enrolled		Sections Offered	Enrolled
BIO-45					
PSY-9					
NVN-52	1	60		1	60
NVN-55A	4	50		4	50

NVN-55B	4	50		4	50
NVN-60	1	60		1	60
NVN-61	1	60		1	60
NVN-62	1	60		1	60
NVN-63	1	60		1	60
NVN-70	1	60		1	60
NVN-71	1	60		1	60

Item 6. Place of Program in Curriculum/Similar Programs
Must address how the certificate/degree fits in college's existing inventory.

This program is already in place at Riverside City College. This modification is being done to update the program to include the option for students to take BIO-50A and 50B to fulfill their Anatomy and Physiology requirement in which most students are already enrolling in these courses.

Item 7. Similar Programs at Other Colleges in Service Area
Justification of need for certificate/degree in the region.

The following community colleges also have VN programs in the Inland Empire:

1. College of the Desert
2. Copper Mountain College
3. Palo Verde College
4. Chaffey College

Item 8. Transfer Preparation Information (if applicable)
If transfer preparation is a component of the certificate/degree, please provide transfer preparation information.

RCCD | RIVERSIDE COMMUNITY COLLEGE DISTRICT
MORENO VALLEY COLLEGE | NORCO COLLEGE | RIVERSIDE CITY COLLEGE

**Record –
Credit Degrees and Certificates**

Program Outline

Title: Welding Technology

☐ **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: 0956.50   **CIP Code: 48.0506**

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.)

Adding the following elective classes, a 2-unit Pipe Fitting for the trades class and a 2-unit Pipe Layout class.
Title will remain the same.
Learning out comes stay the same.
The total unit value stays the same.
These are additional electives that are also tied to the Pipe Welding certificate.
Removal of the WEL-34 as it has been officially deleted and is no longer taught.

Rationale:
(Please note: This information will be presented to the Board of Trustees.)
Rationale for the changes to the Welding Technology Certificate of Achievement and Degree is to ensure courses within the discipline are utilized concurrently with the courses in the individual smaller certificate patterns. These courses may be used as either required or elective courses within multiple Welding Certificate patterns. The two additional elective courses proposed in the Welding Technology Certificate/Degree pattern will simultaneously allow students to utilize the proposed courses in the smaller certificate options as well as giving them the skill to obtain employment and then continue taking courses to achieve the larger Welding Technology Certificate or Degree. We are also removing the WEL-34 class as it has been deleted.

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

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

☐ 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.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

2 | P a g e

RCCD | RIVERSIDE COMMUNITY COLLEGE DISTRICT
MORENO VALLEY COLLEGE | NORCO COLLEGE | RIVERSIDE CITY COLLEGE

Record –
Credit Degrees and Certificates
Program Narrative

Item 1. Program Goals and Objectives

Mission of Riverside City College: Riverside City College provides a high-quality affordable education and engages with a diverse community of learners by offering pre-college, transferable, and career-technical courses leading to locally-approved and state-approved certificates, associate degrees, associate degrees for transfer, and transfer. Based on a learner-centered philosophy, the College fosters critical thinking; develops information competency and technological literacy; expands communication skills, and promotes self-development and global awareness. To encourage student success, the College provides comprehensive learning and student support services; co-curricular activities; and community and Arts programs. RCC supports and empowers students as they work toward individual achievement, intellectual curiosity, and life-long learning.

This Welding Technology certificate/degree is being modified to include pipe Fitting and Layout knowledge for the welding student. These additional skills allows the student to better understand the methods and rational for the installation of piping that is constructed by the use of GMAW and SMAW. By adding these components, the student will more suited for multiple roles in the welding industry.

The added electives are currently required classes for the Pipe certificate and offer the student to flexibility to use the classes toward their AS degree in Welding. By making this modification we will better serve local business and the community, which aligns with the mission of the college.

Item 2. Catalog Description

This program prepares individuals to apply technical knowledge and skills for joining and cutting metallic materials. This includes instruction in SMAW, FCAW, GMAW, GTAW welding processes; oxyacetylene and plasma cutting of ferrous and non-ferrous materials. Includes, welding metallurgy, structural welding safety, blueprint reading, and applicable codes and standards. These skills prepare students for the following careers: iron worker trade, pipe welding trade, steel worker trade, construction trades, aerospace industry, pile driver trades, and glazing trades

- Display the ability to work safely within the welding industry
- Obtain skills necessary to obtain an entry-level job within the welding/construction industry.
- Demonstrate knowledge of SMAW, FCAW, GMAW, and GTAW welding processes.
- Obtain skills necessary to properly set up equipment used in the various welding processes.
- Obtain skills needed to pass AWS skills test to become a certified welder

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: __23__ units

Course	Title	Units	Sequencing
WEL-20	Blueprint Reading for Welders	2	Semester 2, Spring
WEL-65A	Beginning Shielded Metal Arc Welding (SMAW)	3	Semester 1, Fall
WEL-65B	Advanced Shielded Metal Arc Welding	3	Semester 1, Fall

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

3 | P a g e

WEL-75A	Gas Metal Arc Welding (GMAW)	3	Semester 1, Fall
WEL-75B	Flux Cored Arc Welding (FCAW)	3	Semester 1, Fall
WEL-85A	American Welding Society/Los Angeles City Welding I	3	Semester 3, Fall
WEL-95A	Introduction to Gas Tungsten Arc Welding	3	Semester 3, Fall
WEL-115A	SMAW/GMAW Pipe welding Fundamentals	3	Semester 2, Spring

Elective Courses: ___5__ units

Course	Title	Units	Sequencing
WEL-22	Plate and Structural Steel Layout	2	Semester 2, Spring
WEL-24	Pipe Fitting for the Trades	2	Semester 2, Fall
WEL-26	Pipe Layout	2	Semester 1, Spring
WEL-85B	American Welding Society/Los Angeles City Welding II	3	Semester 4, Spring
WEL-95B	Advanced Gas Tungsten Arc Welding	3	Semester 3, Fall
WEL-200	Welding Work Experience	1-4	

Total Program Units: ___28___ units

Minimum Degree Requirements		Maximum Degree Requirements	
Minimum Required Units	23	Maximum Required Units	23
Minimum Elective Units	5	Minimum Elective Units	5
Local GE Required Units	27	CSUGE Required Units	39
Double Counted Units	0	Double Counted Units	0
Total Minimum Degree Units	60	Total Maximum Degree Units	67

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.
Adding these additional elective courses allows the student to be more suited for multiple roles in the general welding/piping industry. By making this modification we will better serve local business and the community, which aligns with the mission of the college.

Item 5. Enrollment and Completer Projections

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

4 | P a g e

Projection of number of students to earn certificate/degree annually.
The projection is to have 10-15 completers annually to begin and a slow steady growth of that number as the program is discovered.

Item 6. Place of Program in Curriculum/Similar Programs
Must address how the certificate/degree fits in college's existing inventory.
Currently in the Welding Discipline.

Item 7. Similar Programs at Other Colleges in Service Area
Justification of need for certificate/degree in the region.
In our service area there are 3 other training facilities that teach welding. Two of these are for profit facilities, Universal Technical Institute (UTI) and Summit, that carry high costs associated with them and one is another community college, San Bernardino Valley College. In our service area RCC is the only college that currently has a pipe certificate program. While San Bernardino Valley College and one of the for-profit schools has 1-2 pipe welding classes they do not have pipe fitting or pipe layout classes.

Item 8. Transfer Preparation Information (if applicable)
If transfer preparation is a component of the certificate/degree, please provide transfer preparation information.

For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.

5 | P a g e