

District Technical Review Committee Meeting Agenda

Tuesday, April 5, 2022**2:30-4:00pm****CAADO 209/Zoom**

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

Zoom Information

<https://rccd-edu.zoom.us/j/94446665132?pwd=UHVmdWcwK1M2ZHJYc04zb0svWVRKUT09>

+1 669 900 6833 US

Meeting ID: 944 4666 5132

Passcode: 316432

Agenda and Minutes

1. Approval of Agenda
2. Approval of Minutes – March 15, 2022

Action Items

1. Curriculum Proposals

Discussion Items

1. Math Flow Chart and Placement Rules – Jeanne Howard

Program Documentation

1. New Programs
 - a. Data Analytics – Norco
 - b. Data Analytics – Riverside
 - c. Early Childhood Education School Age – Moreno Valley
 - d. Data Science – Norco

- e. Data Science – Riverside
 - f. Noncredit Essential Revit – Norco
 - g. Noncredit Essential 3D Tour – Norco
 - h. Noncredit Essential CAD – Norco
 - i. Noncredit Essential SolidWorks – Norco
 - j. Noncredit Essential Fusion 360 – Norco
2. Program Modifications
- a. Elementary Teacher Education – Riverside
 - b. Fine and Applied Arts – AOE
 - c. Communication, Media and Languages – AOE
 - d. Social Work Administration Studies – Moreno Valley
 - e. Careers in Social Work – Moreno Valley
 - f. Education, Human Development and Special Needs – Riverside
 - g. Dental Assistant – Moreno Valley

Technical Review - Curriculum Proposals

Proposals for 04/05/2022

Courses

Course Deletions

		M	N	R	Notes
H	CAT 3				
	Computer Applications for Business	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Holding to address associated programs in the spring.				
H	CIS 3				
	Computer Applications for Business	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Holding to address associated programs in the spring.				

Course Inclusions

		M	N	R	Notes
	CIS 61				
	Introduction to Database Theory	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	CIS 63				
	Introduction to Structured Query Language (SQL)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Course Major Modifications

		M	N	R	Notes
	ADJ 12				
	Introduction to Criminalistics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H	ART 41B				
	Figure Painting-Intermediate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Missing prerequisite skills for 40A.				
H	BUS 30				
	Inter-disciplinary - Entrepreneurship Overview	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Title change, course is in MOV program.				
	CON 62				
	Print Reading for Construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	ELE 61				
	Robotics for Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H	ETS 2				
	Introduction to Chicanx and Latinx Studies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Held to await crosslisted HIS 31 (now HIS 61).				
H	HMS 50				
	Introduction to African American Families and Populations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Held for crosslisted ETS partner.				
H	HMS 51				
	Introduction to Latina and Latino American Families and Populations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Held for crosslisted ETS partner.				
H	HMS 52				
	Introduction to Asian American Families and Populations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Held for crosslisted ETS partner.				
H	HMS 53				
	Introduction to Native American Families and Populations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Held for crosslisted ETS partner.				
	MAN 61				
	Robotics for Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H	MAT 26				
	Math for Elementary School Teachers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Course is found in an ADT and AS at RCC. Short title does not match long title.				

Courses

Course Major Modifications

		M	N	R	Notes
POL 14	Internship in Political Science	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
POL 2	Comparative Politics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
POL 2H	Honors Comparative Politics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
POL 5	Introduction to Law	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H RLE 81	Real Estate Practices	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	For RLE courses, various revisions to content needed.				
H RLE 82	Legal Aspects of Real Estate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H RLE 83	Real Estate Finance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H RLE 84	Real Estate Appraisal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
H RLE 85	Real Estate Economics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H RLE 86	Escrow Procedures I	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Course Minor Modifications

		M	N	R	Notes
H CAT 814	Business Skills: Professional Communication Basics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Holding for BUS crosslisting.				
H CAT 817	Business Skills: Professional Self-Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Holding for BUS crosslisting.				
H PDS 808	Critical Thinking, Problem Solving and Decision Making	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Holding for CAT crosslisting.				
H PDS 810	Time Management	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Holding for CAT crosslisting.				
H PDS 811	High Impact Presentations and Proposals for the Work Place	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Holding for CAT crosslisting.				
H PDS 812	Workplace Communication Strategies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Holding for CAT crosslisting.				

Distance Education

		M	N	R	Notes
EAR 810DE	Family Child Care – Our Business	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
EAR 811DE	Family Child Care – Our Curriculum	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
EAR 812DE	Family Child Care – Our Family and Community	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
HUM 8DE	Introduction to Mythology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MAT 109DX	Corequisite Support for Math 9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Courses

Distance Education

M N R Notes

MAT 9DE BSTEM College Algebra

Extensive Labs

M N R Notes

GEO 4 Earth Science for Educators

H MAT 70A Foundations of Data Science

A proposal for CIS-70A is still needed to ensure the crosslisted courses match. Kelly and Ann will meet with originator to further discuss the proposal.

H MAT 70B Statistics for STEM

Kelly and Ann will meet with originator to further discuss the proposal.

New Courses

M N R Notes

H EAR 57 School Age Child Care Programs and Curriculum

Updates to content are needed.

H EAR 58 Recreational Leadership in School Age Child Care

Updates to content are needed.

H EAR 59 Practicum in School-Age

Updates to content are needed.

ENE 35B Dynamics

ENE 35C Strength of Materials

General Education

General Education Modifications

M N R Notes

H MUS 98 Careers and Entrepreneurship in Music and the Arts

Holding for further discussion.

Programs

New Programs

M N R Notes

Certificate

CIS Data Analytics

CIS Data Analytics

H EAR Early Childhood Education School Age

Held for new courses not yet at Tech Review.

Degree

CIS Data Science

CIS Data Science

Programs

New Programs

M N R Notes

Non-Credit Certificate

ARE Noncredit Essential Revit

ARE Noncredit Essential 3D Tour

DFT Noncredit Essential CAD

DFT Noncredit Essential SolidWorks

DFT Noncredit Essential Fusion 360

Program Modifications

M N R Notes

ADT

EAR Elementary Teacher Education

AOE

ART Fine and Applied Arts

COM Communication, Media and Languages

Certificate

H HMS Social Work Administration Studies

H HMS Careers in Social Work

Degree

EAR Education, Human Development and Special Needs

Degree & Certificate

DEA Dental Assistant

Technical Review Committee

Proposals for Review for Meeting: 04/05/2022

Courses

Course Deletions

		M	N	R	Discussion	Action
H	CAT 3 Rationale: Computer Applications for Business Revision of every component of this COR was completed as a part of the district discipline CTE 2 Year Curriculum Review Cycle (2/2020)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Holding to address associated programs in the spring.	
H	CIS 3 Rationale: Computer Applications for Business Revision of every component of this COR was completed as a part of the district discipline CTE 2 Year Curriculum Review Cycle (beg. 12/2016)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Holding to address associated programs in the spring.	

Course Inclusions

		M	N	R	Discussion	Action
	CIS 61 Rationale: Introduction to Database Theory Students pursuing a degree of transfer in Data Science will need this course to complete the degree.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	CIS 63 Rationale: Introduction to Structured Query Language (SQL) Students pursuing a degree of transfer in Data Science will need this course to complete the degree.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Course Major Modifications

		M	N	R	Discussion	Action
	ADJ 12 Rationale: Introduction to Criminalistics This major modification is required to update curriculum, add course objectives and revise student learning outcomes.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
H	ART 41B Rationale: Figure Painting-Intermediate sequential study, replacing repeatable course with levels. Moreno valley excluded this course from their inventory, approved by the BOT on April 19, 2016.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Missing prerequisite skills for 40A.	
H	BUS 30 Rationale: Inter-disciplinary - Entrepreneurship Overview Updated name and course so it is better suited for both business and non-business majors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Title change, course is in MOV program.	

Courses

Course Major Modifications

		M	N	R	Discussion	Action
	CON 62 Rationale: Print Reading for Construction Updating content	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	ELE 61 Rationale: Robotics for Manufacturing We plan on making this course more practical to the industry and to remove the content that teaches microprocessors and Boe-Bots.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
H	ETS 2 Rationale: Introduction to Chicanx and Latinx Studies Per AB1460, this Ethnic Studies course is designed to fulfill the CSU Area F GE Breadth graduation requirement.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Held to await crosslisted HIS 31 (now HIS 61).	
H	HMS 50 Rationale: Introduction to African American Families and Populations Revised the five SLOs as provided by the California State University Council on Ethnic Studies Core Competencies for Ethnic Studies System-wide Graduation Requirement, updated course content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Held for crosslisted ETS partner.	
H	HMS 51 Rationale: Introduction to Latina and Latino American Families and Populations Revised the five SLOs as provided by the California State University Council on Ethnic Studies Core Competencies for Ethnic Studies System-wide Graduation Requirement, updated course content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Held for crosslisted ETS partner.	
H	HMS 52 Rationale: Introduction to Asian American Families and Populations Revised the five SLOs as provided by the California State University Council on Ethnic Studies Core Competencies for Ethnic Studies System-wide Graduation Requirement, updated course content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Held for crosslisted ETS partner.	
H	HMS 53 Rationale: Introduction to Native American Families and Populations Revised the five SLOs as provided by the California State University Council on Ethnic Studies Core Competencies for Ethnic Studies System-wide Graduation Requirement, updated course content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Held for crosslisted ETS partner.	
	MAN 61 Rationale: Robotics for Manufacturing We plan on making this course more practical to the industry and to remove the content that teaches microprocessors and Boe-Bots.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
H	MAT 26 Rationale: Math for Elementary School Teachers This course needs to be updated to meet RCCD's curriculum guidelines. Objectives will be added and SLOs will be modified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Course is found in an ADT and AS at RCC. Short title does not match long title.	

Courses

Course Major Modifications

		M	N	R	Discussion	Action
	POL 14 Internship in Political Science	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Course has not been offered in over 10 years and is being updated to reflect new internship opportunities for students in RCCD.					
	POL 2 Comparative Politics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Updated course materials, SLO's, and expanded methods of instruction and content.					
	POL 2H Honors Comparative Politics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Course needed updating of textbooks and methods of instruction as well as substantial expansion of content.					
	POL 5 Introduction to Law	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	The course has been significantly rewritten to be articulated directly to schools in the CSU and UC systems.					
H	RLE 81 Real Estate Practices	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For RLE courses, various revisions to content needed.	
Rationale:	This course is being updated as a major modification to include current and relevant SLOs, detailed course content, detailed assignments and updated textbook information.					
H	RLE 82 Legal Aspects of Real Estate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This course is being updated as a major modification to include current and relevant SLOs, detailed course content, detailed assignments and updated textbook information.					
H	RLE 83 Real Estate Finance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This course is being updated as a major modification to include current and relevant SLOs, detailed course content, detailed assignments and updated textbook information.					
H	RLE 84 Real Estate Appraisal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This course is being updated as a major modification to include current and relevant SLOs, detailed course content, detailed assignments and updated textbook information.					
H	RLE 85 Real Estate Economics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This course is being updated as a major modification to include current and relevant SLOs, detailed course content, detailed assignments and updated textbook information.					

Courses

Course Major Modifications

M N R Discussion

Action

H	RLE 86	Escrow Procedures I	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		
	Rationale:	This course is being updated as a major modification to include current and relevant SLOs, detailed course content, detailed assignments and updated textbook information.			

Course Minor Modifications

M N R Discussion

Action

H	CAT 814	Business Skills: Professional Communication Basics	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Holding for BUS crosslisting.	
	Rationale:	Two-year review. Update to text book.			

H	CAT 817	Business Skills: Professional Self-Management	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Holding for BUS crosslisting.	
	Rationale:	Two-year review with text update.			

H	PDS 808	Critical Thinking, Problem Solving and Decision Making	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Holding for CAT crosslisting.	
	Rationale:	Two year CTE review. No changes needed.			

H	PDS 810	Time Management	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Holding for CAT crosslisting.	
	Rationale:	Two year CTE review. No changes needed.			

H	PDS 811	High Impact Presentations and Proposals for the Work Place	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Holding for CAT crosslisting.	
	Rationale:	Two year CTE review. No changes needed.			

H	PDS 812	Workplace Communication Strategies	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Holding for CAT crosslisting.	
	Rationale:	Two year CTE review. No changes needed.			

Distance Education

M N R Discussion

Action

	EAR 810DE	Family Child Care – Our Business	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
	Rationale:				

	EAR 811DE	Family Child Care – Our Curriculum	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
	Rationale:				

	EAR 812DE	Family Child Care – Our Family and Community	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
	Rationale:				

	HUM 8DE	Introduction to Mythology	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
	Rationale:				

Courses

Distance Education

M N R Discussion

Action

MAT 109DX **Corequisite Support for Math 9**

Rationale:

MAT 9DE **BSTEM College Algebra**

Rationale:

Extensive Labs

M N R Discussion

Action

GEO 4 **Earth Science for Educators**

Rationale:

GEO-4 (Earth Science for Educators) is a lecture (54 hours) and lab (54 hours) combination course oriented towards students seeking to become Earth Science teachers in a K-12 setting. The lab portion of this course requires extensive preparation to both assist students in reaching their course goals and also for the proper and safe deployment and maintenance of geological samples, tools and resources used to complete each lab. The preparation required for each GEO4 lab is equivalent to other lab courses in the GEO discipline (i.e. GEO1B and GEO1L), each of which have been approved and are offered each semester as extensive preparation courses.

H **MAT 70A** **Foundations of Data Science**

Rationale:

See attachments

A proposal for CIS-70A is still needed to ensure the crosslisted courses match. Kelly and Ann will meet with originator to further discuss the proposal.

H **MAT 70B** **Statistics for STEM**

Rationale:

See attachments

Kelly and Ann will meet with originator to further discuss the proposal.

New Courses

M N R Discussion

Action

H **EAR 57** **School Age Child Care Programs and Curriculum**

Rationale:

This course will help meet the needs of our community. Currently, after-school workers are not required to have units in early childhood education. The school-age certificate is designed to prepare students for working in after-school programs that serve older children.

Updates to content are needed.

Courses

New Courses

M N R Discussion Action

H **EAR 58** **Recreational Leadership in School Age Child Care** Updates to content are needed.
 Rationale: The School-Age certificate will help meet the needs of our community. After-school programs are growing throughout the Inland Empire and workers are not required to have ECE units. This certificate is designed to prepare students for working in after-school programs that will serve older children.

H **EAR 59** **Practicum in School-Age** Updates to content are needed.
 Rationale: The school-age certificate will help meet the needs of our community.

ENE 35B **Dynamics**
 Rationale: The course is needed to support transfer student needs for multiple engineering majors. The course is an extension of ENE 35 statics which Norco College currently offers.

ENE 35C **Strength of Materials**
 Rationale: The course is needed to support engineering transfer students prepare and satisfy transfer requirements.

General Education

General Education Modifications

M N R Discussion Action

H **MUS 98** **Careers and Entrepreneurship in Music and the Arts** Holding for further discussion.
 Rationale: Proposal to include MUS 98 Careers in Music in RCCD GE Area E 2

Programs

New Programs

M N R Discussion

Action

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](#)

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](#)

H **EAR** **Early Childhood Education School Age** Held for new courses not yet at Tech Review.

Rationale: The School-Age certificate will help meet the needs of our community. The number of after-school programs are growing throughout the county. This certificate is design to prepare students for working in after-school programs that serve older children.

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

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](#)

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](#)

Non-Credit Certificate

ARE **Noncredit Essential Revit**

Rationale: To make this program available to a broader range of student and professionals who just need the training and increase the level of skills in the community.

Documents: [Narrative](#) [Employment Potential](#)

Programs

New Programs

M N R Discussion

Action

Non-Credit Certificate

ARE **Noncredit Essential 3D Tour**

Rationale: To make this program available to a broader range of students and professionals who just need the training and increase the level of skills in the community.

Documents: [Narrative](#) [Employment Potential](#)

DFT **Noncredit Essential CAD**

Rationale: To make this program available to a broader range of students and professionals who just need the training and increase the level of skills in the community.

Documents: [Narrative](#) [Employment Potential](#)

DFT **Noncredit Essential SolidWorks**

Rationale: To make this program available to a broader range of student and professionals who just need the training and increase the level of skills in the community.

Documents: [Narrative](#) [Employment Potential](#)

DFT **Noncredit Essential Fusion 360**

Rationale: To make this program available to a broader range of student and professionals who just need the training and increase the level of skills in the community.

Documents: [Narrative](#) [Employment Potential](#)

Program Modifications

M N R Discussion

Action

ADT

EAR **Elementary Teacher Education**

Rationale: Updating MAT 26 due to increased unit value.

AOE

ART **Fine and Applied Arts**

Rationale: Updating AOE to reflect curricular changes in Elective ENG courses: Existing courses (ENG 38 and 39) have been deleted from District curriculum holdings and a new sequenced course (ENG 38 ABC) has replaced deleted courses.

COM **Communication, Media and Languages**

Rationale: Updating AOE to reflect curricular changes in ENG courses: Existing courses (ENG 38 and 39) have been deleted from District curriculum holdings and a new sequenced course (ENG 38 ABC) has replaced deleted courses.

Programs

Program Modifications

M N R Discussion

Action

Certificate

H	HMS	Social Work Administration Studies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Rationale:					
H	HMS	Careers in Social Work	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Rationale:					

Degree

EAR	Education, Human Development and Special Needs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rationale:	Update of MAT 26 due to unit change.				

Degree & Certificate

DEA	Dental Assistant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rationale:	The unit change is necessary as one of the courses, DEA-41 Dental Office Management, had a 0.5 unit increase from 1.5 to 2.0. The verbiage in program goal 2 is being changed to better reflect the program's mission along with a better integration and support of the institution's goals and mission. Program learning outcome #4 will be deleted as the program is unable to measure and assess if the students are achieving this post-graduation.				

Riverside Community College District
Technical Review Committee

Program Documentation for April 5, 2022

Program Outline

Title: Data Analytics

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

TOPs Code: 070730

CIP Code: 11.0501

Type of Program:

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

Type of Associate Degree:

Associate of Arts Associate of Science

This is a:

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

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

Rationale:

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

Required Documentation

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

All Degrees and Certificates

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

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

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

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

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

Program Narrative

Item 1. Program Goals and Objectives

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

Program Learning Outcomes:

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

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

Item 2. Catalog Description

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

Program Requirement:

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

Program Learning Outcomes:

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

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

Required Courses: 30 units

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

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

Elective Courses: 3 units

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

Total Program Units: 33 units

Item 3. Program Requirements

Required Courses: 30 units

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

Item 4. Master Planning

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

Item 5. Enrollment and Completer Projections

Enrollment Projects for courses are as followed:

Required courses:

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

Electives:

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

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

Item 6. Place of Program in Curriculum/Similar Programs

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

Item 7. Similar Programs at Other Colleges in Service Area

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

Item 8. Transfer Preparation Information (if applicable)

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

Program Outline

Title: Data 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

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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

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

Program Narrative

Item 1. Program Goals and Objectives

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

Program Learning Outcomes:

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- 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:

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Required Courses: 30 units

Course	Title	Units	Sequencing
CIS-1A	Introduction to Computer Information Systems	3	Semester 1
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CIS/CSC-61	Introduction to Database Theory	3	Semester 1
CIS-30A	Introduction to Python Programming	3	Semester 1

or CSC-8	or Programming Concepts: Python		
MAT-70B	Statistics for STEM	4	Semester 2
MAT-1A or MAT-1AH	Calculus I / Honors 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 or MAT-1AH	Calculus I / Honors 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

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: School-Age Certificate

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: 1305.50 **CIP Code:** 19.0709

Type of Program:

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

Type of Associate Degree:

Associate of Arts Associate of Science

This is a: New certificate 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.)

Rationale:

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

The School-Age certificate will help meet the needs of our community. The number of after-school programs are growing throughout the county. This certificate is design to prepare students for working in after-school programs that serve older children.

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 (emails to sister schools)
- Department minutes showing approval (minutes from the department)
- 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

Program Goal:

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

Learning Outcome(s):

1. Students will demonstrate a knowledge base of theory specific to childhood (1st-6th grade) education.
2. Students will apply the knowledge base of theory to practice through thoughtful reflections on classroom observations.
3. Students will understand and be familiar with the main philosophical and sociological ideas and trends that have influenced education as well as be able to analyze their application and importance for teaching today

Student Learning Objectives:

1. Students will integrate needs, characteristics, and multiple influences on the development of children birth to age eight as they develop, implement, and evaluate early childhood program practices.
2. Students will intentionally use systematic observations, documentation, and other assessment strategies in the design, implementation, and evaluation of environments, curricula, and activities that support learning through developmental play and positive learning outcomes.
3. Students will demonstrate positive interaction strategies that support all children's learning, identity, and self-confidence.
4. Students will develop strategies that promote respectful, reciprocal partnerships between program teachers, families, and their communities.
5. Students will evaluate and incorporate ethical standards and professional behaviors that deepen understanding, knowledge, and commitment to the early childhood profession.

Item 2. Catalog Description

The School-Age Certificate is designed to be the first step toward entry level employment specializing in the care of children from 6-12 years. It prepares students for working in before and after-school programs or child care facilities that serve older children.

This Certificate meets the course and unit requirements for the Child Development Associate Teacher Permit with a School-Age Emphasis and the Child Development Associate Teacher Permit through the California Commission on Teacher Credentialing.

Program Requirements: Units Required: 30

Course Number	Course Name	Units
EAR 19	Observation and Assessment	3 units
EAR 20	Child Growth and Development	3 units

EAR 24	Introduction to Curriculum for Early Childhood Education	3 units
EAR 25	Teaching in a Diverse Society	3 units
EAR 26	Health, Safety, Nutrition in Early Childhood Education	3 units
EAR 28	Principles and Practices of Early Childhood Education	3 units
EAR 42	Child, Family and Community	3 units
EAR 57	School Age Child Care Programs and Curriculum	3 units
EAR 58	Recreational Leadership in School Age Child Care	3 units
EAR 59	Practicum Field Experience	3 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.

Program Requirements: Units Required: 30

Course Number	Course Name	Units	Sequence
EAR 19	Observation and Assessment	3 units	Fall/Spring
EAR 20	Child Growth and Development	3 units	Fall/Spring
EAR 24	Introduction to Curriculum for Early Childhood Education	3 units	Fall/Spring
EAR 25	Teaching in a Diverse Society	3 units	Fall/Spring
EAR 26	Health, Safety, Nutrition in Early Childhood Education	3 units	Fall/Spring
EAR 28	Principles and Practices of Early Childhood Education	3 units	Fall/Spring
EAR 42	Child, Family and Community	3 units	Fall/Spring
EAR 57	School Age Child Care Programs and Curriculum	3 units	Spring
EAR 58	Recreational Leadership in School Age Child Care	3 units	Fall
EAR 59	Practicum Field Experience	3 units	Fall/Spring

Item 4. Master Planning

Mission of Moreno Valley College: Moreno Valley College is committed to educating and empowering our students, providing equitable access to education, and serving our communities. Moreno Valley College's core mission can be expressed in four words: Education, Empowerment, and Equity.

Education: Students will develop paraprofessional skills and knowledge in child development with an emphasis on school age children

Empowerment: Students will be empowered as they identify personal strengths which have helped them realize the completion of a certificate.

Equity: All coursework is taught through an equity-lens and a respect for children no matter their socioeconomic status, ethnicity, or cultural background.

The School-Age Certificate is designed to prepare students to work in after-school programs that serve older children. Students are offered knowledge about the development of the school age child and the role of the adult in helping to integrate skills and aid classroom learning.

Item 5. Enrollment and Completer Projections

EAR 19	Observation and Assessment - 35 students
EAR 20	Child Growth and Development - 35 students
EAR 24	Introduction to Curriculum for Early Childhood Education - 35 students
EAR 25	Teaching in a Diverse Society - 35 students
EAR 26	Health, Safety, Nutrition in Early Childhood Education - 35 students
EAR 28	Principles and Practices of Early Childhood Education - 35 students
EAR 42	Child, Family and Community - 35 students
EAR 57	School Age Child Care Programs and Curriculum – new course; no enrollment data available
EAR 58	Recreational Leadership in School Age Child Care - new course; no enrollment data available
EAR 59	Practicum Field Experience – 20 students

The certificate program expects to have 15 – 20 students completing this certificate annually beginning in February 2023.

Item 6. Place of Program in Curriculum/Similar Programs

The college has no similar degree option and related certificate options are within the same discipline.

Item 7. Similar Programs at Other Colleges in Service Area

Within the Riverside Community College district, Moreno Valley College is the only college in the district that is currently offering all of these courses within the certificate program. No college in the area has alike or a similar program.

Item 8. Transfer Preparation Information (if applicable)

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

Program Outline

Title: Data Science

Originator: Caroline Hutchings

Date 3/9/2022

Department: School of Science, Technology, Engineering, and Mathematics

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: 0707.30 CIP Code: 11.0501

Type of Program:

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

Type of Associate Degree: Associate of Arts Associate of Science

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

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

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

- Evidence of district-wide discipline communication
- Department minutes showing approval
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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.*

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**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

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 CSC-8	Introduction to Python Programming or Programming Concepts: Python	3	Semester 1
MAT-70B	Statistics for STEM	4	Semester 2
MAT-1A or MAT-1AH	Calculus I / Honors 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	3	Semester 2

	Language (SQL)		
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

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	7	Double Counted Units	3
Total Minimum Degree Units	60	Total Maximum Degree Units	76

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-70B: 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: Associate Degree of Science in Data Science

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

TOPs Code: 070730 **CIP Code:** 11.0501

Type of Program:

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

Type of Associate Degree:

Associate of Arts Associate of Science

This is a:

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

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

Rationale:

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

Required Documentation

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

All Degrees and Certificates

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

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

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

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

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

Program Narrative

Item 1. Program Goals and Objectives

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

Item 2. Catalog Description

Program Requirement:

Before entering this program, student must complete MAT – 11 or qualifying placement level in mathematics to be successful in mathematics and analysis courses in the program.

Program Learning Outcomes:

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

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

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 (NEW)	3	Semester 1
CIS/CSC-61	Introduction to Database Theory (RCC, MVC)	3	Semester 1
CIS-30A or CSC-8	Introduction to Python (MVC) Programming Concepts: Python	3	Semester 1
MAT-70B	Statistics for STEM (NEW)	3	Semester 2
MAT-1A or MAT-1AH	Calculus I / Honors Calculus I	4	Semester 2
CIS/CSC-63	Introduction to Structured Query Language (RCC) – (MVC Adoption)	3	Semester 2
MAT-1B	Calculus II	4	Semester 3
CIS-30E	Advanced Python (MVC)	3	Semester 3
MAT-1C	Calculus III	4	Semester 4
MAT-3	Linear Algebra	4	Semester 4

Elective Courses: 3 units

Course	Title	Units	Sequencing
CIS-68A or	Introduction to Machine Learning (NEW)	3	Semester 3

CIS-68B or	Big Data (NEW)	3	Semester 3
CIS/CSC-2 or	Fundamental of System Analysis	3	Semester 4
CIS/CSC-20	System Analysis and Design (RCC, MVC)	3	Semester 4

Total Program Units: 40 units

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

Projected Enrollment for courses is as follows:

Course ID	Course Title	2019-2020		2020-2021	
		Annual Sections	Annual Enrollment	Annual Sections	Annual Enrollment
CIS-1A	Introduction to Computer Information Systems	45	1472	40	1528
CIS/CSC-2	Fundamentals of Systems Analysis	3	86	4	127
CIS/CSC-20*	Systems Analysis and Design	0	0	0	0
CIS/CSC-61	Introduction to Database Theory	1	29	1	38
CAT/CIS-63	Introduction to Structured Query Language	1	20	1	24
CIS-68A		0	0	0	0
CIS-68B		0	0	0	0
CSC-8	Programming Concepts: Python	0	0	0	0
MAT/CIS-70A	Foundations of Data Science (NEW)	0	0	0	0
MAT-70B	Statistics for STEM (NEW)	0	0	0	

**represents revised or new courses. Projected enrollment in new/revised courses in two sections (one per primary term with enrollment at 36-45 students.*

Item 6. Place of Program in Curriculum/Similar Programs

Most of the courses in the program are active courses that are currently offered at Riverside City College. The new courses will be incorporated into the program. No other programs are similar or the same as the proposed Data Science program.

Item 7. Similar Programs at Other Colleges in Service Area

Aside from Moreno Valley College, who is also launched the original, shared curriculum, 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 Revit

Originator: Farshid Mirzaei
Department: BEIT

Date 3/3/2022

College: Moreno Valley College Norco College Riverside City College
(Please note: Programs are college specific. If multiple colleges wish to include this program, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0201.00 **CIP Code:** 04.0901

Certificate is being proposed as:

Certificate of Completion (CDCP Eligible) **Certificate of Competency (CDCP Eligible)**

Please specify non-credit category:

- Short-Term Vocational Workforce Preparation
 English as a Second Language Elementary and Secondary Basic Skills

Local Non-Credit Certificate (Not CDCP Eligible; Not Submitted to State Chancellor’s Office)

Please specify non-credit category:

- Citizenship for Immigrants Health and Safety
 Parenting Courses for Persons with Substantial Disabilities
 Home Economics Courses for Older Adults

This is a: New non-credit certificate Modification to an existing non-credit certificate

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

Rationale:

To make this program available to a broader range of student and professionals who just need the training and increase the level of skills in the community.

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 new and modified programs must include the following:

- Evidence of district-wide discipline communication
 Department minutes showing approval
 Narrative *(See following page)*
 Labor Market Information and Analysis *(For certificates in the Short-Term Vocational category only)*
Attached

In 2019, there were 2,184 combined drafting jobs in the Inland Empire/Desert Region. Drafting occupations are expected to have 235 annual job openings, rising by 7%. Exhibit 1 displays the job counts, five-year projected job growth, job openings, and the share of incumbent workers age 55 years and greater working in the drafting occupational group. (Attached report)

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: 234 hours

Course	Title	Hours	Sequencing
ARE/DFT-824	Revit I-Architectural Drafting	117	Semester 1, Fall
ARE-825	Revit II-Advanced Architectural Drafting	117	Semester 2, Spring

Elective Courses: 0 hours

Course	Title	Hours	Sequencing
None			

Total Program Units: 234 hours

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.

Program Outline

Title: Essential 3D Tour

Originator: Farshid Mirzaei
Department: BEIT

Date 3/3/2022

College: Moreno Valley College Norco College Riverside City College
(Please note: Programs are college specific. If multiple colleges wish to include this program, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0201.00 **CIP Code:** 04.0901

Certificate is being proposed as:

Certificate of Completion (CDCP Eligible) **Certificate of Competency (CDCP Eligible)**

Please specify non-credit category:

- Short-Term Vocational Workforce Preparation
 English as a Second Language Elementary and Secondary Basic Skills

Local Non-Credit Certificate (Not CDCP Eligible; Not Submitted to State Chancellor’s Office)

Please specify non-credit category:

- Citizenship for Immigrants Health and Safety
 Parenting Courses for Persons with Substantial Disabilities
 Home Economics Courses for Older Adults

This is a: New non-credit certificate Modification to an existing non-credit certificate

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

Rationale:

To make this program available to a broader range of student and professionals who just need the training and increase the level of skills in the community.

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 new and modified programs must include the following:

- Evidence of district-wide discipline communication
 Department minutes showing approval
 Narrative *(See following page)*
 Labor Market Information and Analysis *(For certificates in the Short-Term Vocational category only)*
Attached

In 2019, there were 2,184 combined drafting jobs in the Inland Empire/Desert Region. Drafting occupations are expected to have 235 annual job openings, rising by 7%. Exhibit 1 displays the job counts, five-year projected job growth, job openings, and the share of incumbent workers age 55 years and greater working in the drafting occupational group. (Attached report)

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: 279 hours

Course	Title	Hours	Sequencing
CON-862	Blueprint Reading for Construction	162	Semester 1, Fall
ARE-863	3D Tour - VR, AR, MR and XR	117	Semester 2, Spring

Elective Courses: 0 hours

Course	Title	Hours	Sequencing
None			

Total Program Units: 279 hours

Item 4. Master Planning

This certificate serves our students by providing a unique educational opportunity with 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.

Program Outline

Title: Essential SolidWorks

Originator: Farshid Mirzaei
Department: BEIT

Date 3/3/2022

College: Moreno Valley College Norco College Riverside City College
(Please note: Programs are college specific. If multiple colleges wish to include this program, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0953.00 **CIP Code:** 15.1302

Certificate is being proposed as:

Certificate of Completion (CDCP Eligible) **Certificate of Competency (CDCP Eligible)**

Please specify non-credit category:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Short-Term Vocational | <input type="checkbox"/> Workforce Preparation |
| <input type="checkbox"/> English as a Second Language | <input type="checkbox"/> Elementary and Secondary Basic Skills |

Local Non-Credit Certificate (Not CDCP Eligible; Not Submitted to State Chancellor’s Office)

Please specify non-credit category:

- | | |
|---|--|
| <input type="checkbox"/> Citizenship for Immigrants | <input type="checkbox"/> Health and Safety |
| <input type="checkbox"/> Parenting | <input type="checkbox"/> Courses for Persons with Substantial Disabilities |
| <input type="checkbox"/> Home Economics | <input type="checkbox"/> Courses for Older Adults |

This is a: New non-credit certificate Modification to an existing non-credit certificate

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

Rationale:

To make this program available to a broader range of student and professionals who just need the training and increase the level of skills in the community.

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 new and modified programs must include the following:

- Evidence of district-wide discipline communication
 - Department minutes showing approval
 - Narrative *(See following page)*
 - Labor Market Information and Analysis *(For certificates in the Short-Term Vocational category only)*
- Attached*

In 2019, there were 2,184 combined drafting jobs in the Inland Empire/Desert Region. Drafting occupations are expected to have 235 annual job openings, rising by 7%. Exhibit 1 displays the job counts, five-year projected job growth, job openings, and the share of incumbent workers age 55 years and greater working in the drafting occupational group. (Attached report)

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: 216 hours

Course	Title	Hours	Sequencing
DFT/ENE-842	SolidWorks I	108	Semester 1, Fall
DFT/ENE-842B	SolidWorks II	108	Semester 2, Spring

Elective Courses: 0 hours

Course	Title	Hours	Sequencing
None			

Total Program Units: 216 hours

Item 4. Master Planning

This certificate serves 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.

Program Outline

Title: Essential Fusion 360

Originator: Farshid Mirzaei
Department: BEIT

Date 3/3/2022

College: Moreno Valley College Norco College Riverside City College
(Please note: Programs are college specific. If multiple colleges wish to include this program, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0953.00 **CIP Code:** 50.0404

Certificate is being proposed as:

Certificate of Completion (CDCP Eligible) **Certificate of Competency (CDCP Eligible)**

Please specify non-credit category:

- Short-Term Vocational Workforce Preparation
 English as a Second Language Elementary and Secondary Basic Skills

Local Non-Credit Certificate (Not CDCP Eligible; Not Submitted to State Chancellor’s Office)

Please specify non-credit category:

- Citizenship for Immigrants Health and Safety
 Parenting Courses for Persons with Substantial Disabilities
 Home Economics Courses for Older Adults

This is a: New non-credit certificate Modification to an existing non-credit certificate

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

Rationale:

To make this program available to a broader range of student and professionals who just need the training and increase the level of skills in the community.

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 new and modified programs must include the following:

- Evidence of district-wide discipline communication
 Department minutes showing approval
 Narrative *(See following page)*
 Labor Market Information and Analysis *(For certificates in the Short-Term Vocational category only)*
Attached

In 2019, there were 2,184 combined drafting jobs in the Inland Empire/Desert Region. Drafting occupations are expected to have 235 annual job openings, rising by 7%. Exhibit 1 displays the job counts, five-year projected job growth, job openings, and the share of incumbent workers age 55 years and greater working in the drafting occupational group. (Attached report)

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, students 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: 234 hours

Course	Title	Hours	Sequencing
DFT-862	Basic Fusion 360	117	Semester 1, Fall
DFT-863	Advanced Fusion 360	117	Semester 2, Spring

Elective Courses: 0 hours

Course	Title	Hours	Sequencing
None			

Total Program Units: 234 hours

Item 4. Master Planning

This certificate serves 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.

Program Outline

Title: Essential CAD

Originator: Farshid Mirzaei
Department: BEIT

Date 3/3/2022

College: Moreno Valley College Norco College Riverside City College
(Please note: Programs are college specific. If multiple colleges wish to include this program, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0953.00 **CIP Code:** 15.1302

Certificate is being proposed as:

Certificate of Completion (CDCP Eligible) **Certificate of Competency (CDCP Eligible)**

Please specify non-credit category:

- Short-Term Vocational Workforce Preparation
 English as a Second Language Elementary and Secondary Basic Skills

Local Non-Credit Certificate (Not CDCP Eligible; Not Submitted to State Chancellor’s Office)

Please specify non-credit category:

- Citizenship for Immigrants Health and Safety
 Parenting Courses for Persons with Substantial Disabilities
 Home Economics Courses for Older Adults

This is a: New non-credit certificate Modification to an existing non-credit certificate

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

Rationale:

To make this program available to a broader range of student and professionals who just need the training and increase the level of skills in the community.

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 new and modified programs must include the following:

- Evidence of district-wide discipline communication
 Department minutes showing approval
 Narrative *(See following page)*
 Labor Market Information and Analysis *(For certificates in the Short-Term Vocational category only)*
Attached

In 2019, there were 2,184 combined drafting jobs in the Inland Empire/Desert Region. Drafting occupations are expected to have 235 annual job openings, rising by 7%. Exhibit 1 displays the job counts, five-year projected job growth, job openings, and the share of incumbent workers age 55 years and greater working in the drafting occupational group. (Attached report)

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: 216 hours

Course	Title	Hours	Sequencing
DFT/ENE-830	Computer Aided Design	108	Semester 1, Fall
DFT-831	Advanced Computer Aided Design	108	Semester 2, Spring

Elective Courses: 0 hours

Course	Title	Hours	Sequencing
None			

Total Program Units: 216 hours

Item 4. Master Planning

This certificate serves 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.

Program Outline

Title: Elementary Teacher Education (AA887/AA888)

College: Moreno Valley College Norco College Riverside City College
(Please note: ADTs are college specific. If multiple colleges wish to adopt this program, a separate proposal and college specific supporting documents are required.)

TOPs Code: 4901.20 **CIP Code:** 13.0101

Type of ADT: Associate in Arts for Transfer Associate in Science for Transfer

This is a: New ADT Modification to an existing ADT

If this is a modification to an existing ADT, please specify the changes being made:
Changing ART 1H, 2H, and 5 to the Art History (AHS) acronym

Rationale:
Updating ART courses to AHS course discipline.

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 new and modified ADTs must include the following:

- Discipline and Department minutes showing approval
- Narrative *(See next page)*
- Completed Chancellor’s Office Template (TMC) *(Must be most current version available)*
- C-ID or ASSIST Articulation Information, as required by the TMC *(Work with your Articulation Officer to obtain this documentation)*

Program Narrative

Item 1. Program Goals and Objectives

This degree is designed to facilitate students transferring to the California State University System with an Associate Degree in Elementary Teacher Education. With this degree, the student will be prepared to enter into a bachelor’s degree Program designed to prepare them to teach in a K-8 classroom. This option prepares students for transfer to CSU to major in either a General Track Liberal Studies Program or an Integrated Liberal Studies/Multiple Subject Teaching Credential Program.

Item 2. Catalog Description

The Associate of Arts in Elementary Teacher Education for Transfer (AA-T) offers lower division coursework examining content area subject matter requirements for teaching at the elementary school level. Students will explore the core principles and practices of a liberal studies curriculum in order to build a foundation appropriate for entry into advanced study in teacher preparation. The students also have the opportunity to participate in supervised fieldwork in K-8 settings.

This degree is designed to facilitate students transferring to the California State University System with an Associate Degree in Elementary Teacher Education. With this degree, the student will be prepared to enter into a bachelor’s degree Program designed to prepare them to teach in a K-8 classroom. This option prepares students for transfer to CSU to major in either a General Track Liberal Studies Program or an Integrated Liberal Studies/Multiple Subject Teaching Credential Program.

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

- Demonstrate knowledge of professional standards, ethics, and professionalism in elementary education classrooms to meet the diverse needs of students.
- Demonstrate an understanding of historical influences, current trends, theories, and educational issues in a global context.
- Demonstrate introductory subject matter competency for the Multiple Subject California Subject Examination for Teachers (CSET).

Required Courses: 56 units

Course	Title	Units
EDU-1	Introduction to Elementary Classroom Teaching	4
EAR-20*	Child Growth and Development	3
BIO-1/1H*	General Biology / Honors	4
CHE-2A*	Introductory Chemistry I	4
PHY-10*	Introduction to General Physics	3
PHY-11*	Physics Lab	1
GEO-4	Earth Science for Educators	4

MAT-26*	Math for Elementary School Teachers	4
COM-1/1H*	Public Speaking/Honors	3
ENG-1A/1AH*	English Composition/Honors	4
ENG-1B/1BH*	Critical Thinking and Writing/Honors	4
GEG-3*	World Regional Geography	3
HIS-1*	World History to 1500	3
HIS-6/6H*	United States History to 1877/Honors United States History to 1877	3
POL-1/1H*	American Politics/Honors	3

List A: 4 units Choose one course from the following:

Course	Title	Units
ENG-1B/1BH*	Critical Thinking and Writing/Honors	4

List B: 3 units Choose one course from the following:

Course	Title	Units
AHS-1/1H*	History of Western Art: Prehistoric, Ancient, and Medieval/Honors	3
AHS-2/2H*	History of Western Art: Renaissance through Contemporary/Honors History of Western Art: Renaissance through Contemporary	3
AHS-5*	Arts of Africa, Oceania, and Indigenous North America	3
ART-6/6H* Or AHS-6/6H	Art Appreciation	3
MUS-19*	Music Appreciation	3
THE-3*	Introduction to Theatre	3

List C: Choose from any course not used above or one of the following. 0-3 units

Course	Title	Units
HES-1*	Health Science	3

Associate in Arts for Transfer Degree

The Associate in Arts in Elementary Teacher Education for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements and with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of “C” or better (or a “P” if taken as Pass/No Pass).

PROGRAM OUTLINE OF RECORD
NEW DEGREE

Associate of Arts Degree in Education, Human Development & Special Needs

College: R

SHORT DESCRIPTION OF PROGRAM

The Associate of Arts in Education, Human Development and Special Needs offers lower division coursework that provides an introduction to issues, policies, and practices of education, with an emphasis on special education. Students will build a foundation appropriate for entry into advanced study in education, including educational research, educational advocacy, public policy, and/or teacher preparation. The students also have the opportunity to participate in supervised fieldwork in K-8 settings.

This degree is designed to facilitate students transferring to the University of California, Riverside with an Associate Degree in Education, Human Development & Special Needs. With this degree, the student will be prepared to enter into the Education, Society and Human Development BA program. In this program, students are able to follow a general plan; specialize in Community Leadership, Policy, and Social Justice; or develop their own custom program of study.

PROGRAM LEARNING OUTCOMES

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

- Demonstrate an understanding of historical influences, current trends, theories, and educational issues in a global context.
- Demonstrate knowledge of professional standards, ethics, and professionalism in classrooms and school visits and implement established observation and visitation protocols within schools.
- Identify laws and regulations pertaining to and protecting children with disabilities and other special needs in education and community settings.
- Describe the process of accessing community agencies, referral systems and procedures for specialized support, specialized documents, resources and placement options.

Required Courses		Units
EDU-10	Introduction to Education Studies	3
EAR-40	Introduction to Children with Special Needs	3
EAR-43	Children with Challenging Behaviors	3
EAR-47	Childhood Stress and Trauma	3
EDU-1	Introduction to Elementary Classroom Teaching	4
EAR-20	Child Growth and Development	3
ENG-1A/1AH	English Composition	4
ENG-1B/1BH	Critical Thinking and Writing	4
MUS 89/89H	Music of Multicultural America	3
HUM 16	Arts and Ideas: American Culture	3
SOC 10/10H	Race and Ethnic Relations	3
POL 1/1H	American Politics	3
GEG 1/1H	Physical Geography	3
BIO 1/1H	General Biology	4
HES 1	Health Science	3
COM 1/1H	Public Speaking	3

Choose one of the following:

MAT 12/12H	Statistics	4
PSY/SOC 48	Statistics for the Behavioral Sciences	3
or		
MAT 26	Math for Elementary School Teachers	4

Choose one of the following:

HIS 1*	History of World Civilizations I	3
or		

HIS 2/2H*

History of World Civilizations II

3

58/59

UC/CSU Elective Course

1-3 units

(Must have 60 transferable units for transfer)

The Associate in Arts in Education, Human Development and Special Needs degree will be awarded upon completion of 60 transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better. (Students completing this degree are not required to fulfill the RCCD graduation requirements found in section VII. Additional degree requirements: Health Education and Self Development).

Program Outline

Title: Dental Assistant

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: 1240.10 **CIP Code:** 51.0601

Type of Program:

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

Type of Associate Degree:

Associate of Arts Associate of Science

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

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

1. The total number of units will be changed from 32.5 to **33** units for the program.
2. The words “quality and equitable” will be added to the second program goal to read:

“Provide a **quality and equitable** dental assistant curriculum that prepares the student to successfully complete the National Certification Exam (CDA) and California State Registered Dental Assistant Exam (RDA). “ The remaining program goals will remain unchanged.

3. Program learning outcome #4 “Apply self-assessment skills to promote lifelong learning “will be deleted.

Rationale:

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

1. The unit change is necessary as one of the courses, DEA-41 Dental Office Management, had a 0.5 unit increase from 1.5 to 2.0.
2. The verbiage in program goal 2 is being changed to better reflect the program’s mission along with a better integration and support of the institution’s goals and mission.
3. Program learning outcome #4 will be deleted as the program is unable to measure and assess if the students are achieving this post-graduation.

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 – **N/A**
 Department minutes showing approval- **Coming Soon**
 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.) - **Temporarily will receive draft Advisory Minutes.***
- 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

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.

The program prepares individuals to provide patient care, take dental radiographs (x-rays), prepare patients and equipment for dental procedures as well as discharge office administrative functions under the supervision of dentists. The curriculum includes instructions in dental office management tasks, general office duties, reception and patient intake, patient scheduling, equipment maintenance and sterilization, dental radiography and radiation safety, pre and post-operative patient care and instructions, chairside assisting and direct patient care in general and specialty practice, taking impressions, infection control, Dental Practice Act, pit and fissure sealant application, coronal polish and supervised clinical practice

PROGRAM GOALS

- Maintain compliance with the Commission on Dental Accreditation and the Dental Practice Act of California
- Provide a quality and equitable dental assistant curriculum that prepares the student to successfully complete the National Certification Exam (CDA) and California State Registered Dental Assistant Exam (RDA).
- Maintain proficient dental assistant faculty and staff to ensure a high-quality educational program.
- Prepare the student for dental assisting employment as an integral member of the dental health team

PROGRAM LEARNING OUTCOMES

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

- Collect diagnostic data and perform clinical supportive treatments as outlined by the State Dental Practice Act
- Perform business office procedures as related to dental practices
- Adhere to the ADAA's Code of Ethical Conduct and apply this to established ethical, legal and regulatory concepts for dental assisting
- Demonstrate interpersonal and communication skills to effectively interact with diverse populations

Item 2. Catalog Description

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

PROGRAM PREREQUISITE

*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*

Qualification for ENG-1A

SHORT DESCRIPTION of PROGRAM

The program prepares individuals to provide patient care, take dental radiographs (x-rays), prepare patients and equipment for dental procedures as well as discharge office administrative functions under the supervision of dentists. The curriculum includes instructions in dental office management tasks, general office duties, reception and patient intake, patient scheduling, equipment maintenance and sterilization, dental radiography and radiation safety, pre and post –operative patient care and instructions, chair-side assisting and direct patient care in general and specialty practice, taking impressions, infection control, Dental Practice Act, pit and fissure sealant application, coronal polish and supervised clinical practice.

PROGRAM LEARNING OUTCOMES

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

- Collect diagnostic data and perform clinical supportive treatments as outlined by the State Dental Practice Act
- Perform business office procedures as related to dental practices
- Adhere to the ADAA’s Code of Ethical Conduct and apply this to established ethical, legal and regulatory concepts for dental assisting
- Demonstrate interpersonal and communication skills to effectively interact with diverse populations

Item 3. Program Requirements

Required Courses: 33 units

Course	Title	Units	Sequencing
DEA-10	Introduction to Dental Assisting and Chairside Assisting	4.5	Semester 1, Fall
DEA-20	Infection Control for Dental Assistants	2	Semester 1, Fall
DEA-21	Introduction to Radiology for Dental Assistants	2.5	Semester 1, Fall
DEA-22	Introduction to Supervised Externships	1.5	Semester 1, Fall
DEA-23	Introduction to Dental Sciences	3	Semester 1, Fall
DEA-24	Dental Materials for the Dental Assistant	2	Semester 1, Fall
DEA-30	Intermediate Chairside Dental Assisting	2	Winter Intersession
DEA-31	Radiology for Dental Assistants	1	Winter Intersession
DEA-32	Intermediate Supervised Externships	1	Winter Intersession
DEA-40A	Advanced Chairside Surgical Dental Assistant	3.5	Semester 2, Spring
DEA-40B	Advanced Chairside Orthodontic Dental Assistant	2	Semester 2, Spring
DEA-40C	Advanced Chairside Restorative Dental Assistant	6	Semester 2, Spring
DEA-41	Dental Office Management	2	Semester 2, Spring

Total: 33 Units

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	0	CSUGE Required Units	0
Double Counted Units	0	Double Counted Units	0
Total Minimum Degree Units	60	Total Maximum Degree Units	60

The **Associate of Science Degree in Dental Assisting** 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

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

The Moreno Valley College Dental Assistant Program provides the students with a quality, equitable education that prepares them to be highly competent, professional, and caring licensed dental assistants. Our graduates go on to serve the dental community and community at large by working in various dental offices in the region. This fits in and aligns with the institution’s mission to educate and empower students, to provide equitable access to education and serve the community.

Item 5. Enrollment and Completer Projections

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

The Moreno Valley College Dental Assistant program can graduate up to 24 students annually. The cohort size is limited by accreditation and state requirements.

Item 6. Place of Program in Curriculum/Similar Programs

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

The program is part of Health Human and Public Services Department.

Item 7. Similar Programs at Other Colleges in Service Area

Justification of need for certificate/degree in the region.

The Moreno Valley College Dental Assistant Program is one of the two community college programs in the region with Chaffey College being the other. The environmental scan shows a high demand for dental assistants with a 14% increase in employment, and 808 job openings annually for the next five years.

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

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