

District Technical Review Committee Meeting Agenda

Tuesday, April 19, 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/94163799272?pwd=NlpJWE1XNXg5eGV4d2JnQzNSdlhrdz09>

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Meeting ID: 941 6379 9272; Passcode: 053911

Agenda and Minutes

1. Approval of Agenda
2. Approval of Minutes – April 5, 2022

Action Items

1. Curriculum Proposals

Discussion Items

Program Documentation

1. New Programs
 - a. Norco – Data Analytics
 - b. Moreno Valley – Early Childhood Education School Age
 - c. Norco – Data Science
 - d. Norco – Noncredit Essential 3D Tour
 - e. Norco – Noncredit Essential Revit
 - f. Norco – Noncredit Essential Fusion 360
 - g. Norco – Noncredit Essential SolidWorks

- h. Norco – Noncredit Essential CAD
- 2. Program Modifications
 - a. Moreno Valley – Psychology
 - b. Moreno Valley – Careers in Social Work
 - c. Moreno Valley – Social Work Administration Studies

Technical Review - Curriculum Proposals

Proposals for 04/19/2022

Courses

Course Major Modifications

		M	N	R	Notes		
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.						
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		
	BUS 814	Business Skills: Professional Communication Basics		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	BUS 817	Business Skills: Professional Self-Management		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.
	KIN V04	Basketball, Varsity, Men		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

Courses

Course Minor Modifications

		M	N	R	Notes
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
CIS 21CDE	Red Hat Linux System Administration I	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CIS 27CDE	Palo Alto Networks Firewall Essentials	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
DFT 31DE	Advanced Computer Aided Drafting (CAD)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DFT 62DE	Basic Fusion 360	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DFT 63DE	Advanced Fusion 360	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H MAT 109DX	Corequisite Support for Math 9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Votes show Moreno Valley only.					
H MAT 9DE	BSTEM College Algebra	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Votes show Moreno Valley and Norco but not RCC.					

New Courses

		M	N	R	Notes
ARE 824	Revit I-Architectural Drafting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARE 825	Revit II-Advanced Architectural Drafting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARE 863	3D Tour, Virtual, Mixed, Augmented and Extended Reality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CON 862	Print Reading for Construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 004	Lifting, and Bracing Safety	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 02B	Slabs/Interior-Exterior Footings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 04A	Lifting, and Bracing Safety	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 04B	Poured-in-Place Wall Forms	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 05A	Wall-Column Forms/Cutting and Burning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 05B	Site Work/Curb and Gutter	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 05C	Specialized Forms and Rigging	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 062	Standard Acoustical Grids	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Courses

New Courses

M N R Notes

CRP 21A	Orientation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 21B	Safety and Health Certifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 21C	Basic Wall Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 21E	Tool/Equipment Applications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 22A	Commercial Floor Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 22B	Basic Stairs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 22D	Exterior Finish Details	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 22E	Commercial Roof Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 23B	Basic Roof Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 23C	Advanced Roof Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 24A	Basic Commercial Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 24B	Advanced Commercial Framing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CRP 24C	Panelized Roofing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 24D	Transit Level/Laser	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 24E	Total Station I	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 25	Welding Fabrication	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 25A	Foundations and Flatwork	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 25C	Advanced Stairs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 25D	Advanced Print Reading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 26A	Tilt-Up Panel Construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 26B	Wall Forming	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 26C	Gang Forms/Columns	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 26D	Abutments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 27C	Beam and Deck Forming	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 27D	Stairs and Ramp Forming	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 28A	Bridge Construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 28C	Intermediate Commercial Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Courses

New Courses

M N R Notes

CRP 28E	Bridge Falsework	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 29A	Rigging	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 29BJ	Rigging Qualification Studies - Journeyworker	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 29C	Solar Installer Level 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 30A	Standard First Aid	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 33A	Cabinet Millwork and Assembly	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 33B	Cabinet Installation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 33C	Show Case and Loose Store Fixtures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 33D	Molding and Trims	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 34A	Plastic Laminates	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 34B	Solid and Stone Surfaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 34C	Stair Trim	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 34D	Doors and Door Hardware	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 35C	Exit and Electrical Security Devices	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 3A	Tilt-Up Introduction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 40CJ	Scaffold Erector, Standard 40 Hour - Journeyworker	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 40EJ	Scaffold Erector, Systems Scaffold - Journeyworker	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 41A	Powered Industrial Truck Operator - Rough Terrain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 41B	Powered Industrial Truck Operator	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 4C	Print Reading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 61A	Acoustical Ceilings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 61B	Advanced Acoustical Ceiling Layout	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 61C	Advanced Acoustical Ceiling Installation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 63	Suspended Ceilings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 64	Acoustical Soffits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 65	Prefab/Sound Panels	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 66	Concealed/Glue-Up/Staple-Up Systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Courses

New Courses

M N R Notes

CRP 67	Designer and Specialty Trims	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 68	Metal Pan and Security Systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 71A	Orientation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 71B	Safety and Health Certifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 71C	Tool/Equipment Applications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 72A	Basic Metal Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 72B	Basic Lathing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 72C	Advanced Lathing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 73A	Framing Ceilings and Soffits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 73B	Framing Suspended Ceilings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 73C	Framing Curves and Arches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 74A	Print Reading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 74B	Advanced Print Reading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 74C	Air, Moisture, and Thermal Barriers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 75A	Light Gage Welding AWS - A	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 75B	Light Gage Welding LAC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 75C	Light Gage Welding AWS - B	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 76A	Basic Hand Finishing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 76B	Automatic Finishing Tools	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 77A	Drywall Installation/Finish Trims	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 77B	Advanced Hand Finishing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CRP 77C	Advanced Automatic Finishing Tools	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CRP 78B	Advanced Metal Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 78C	Wet Wall Finishes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 78D	Ceiling and Soffit Finishing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 79A	Drywall and Acoustical Ceilings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 79C	Drywall Applications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Courses

New Courses

		M	N	R	Notes
CRP 79D	Drywall Applications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 82B	S/B Firestop/Fireproofing Procedures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 82C	Decorative Trims and Textures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 83	Door and Door Frames	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 83C	Door/Door Frame	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 86A	Exterior Insulation Finish Systems (EIFS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 89	Freeform Lathing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 90	Residential Steel Stud Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 94J	Confined Space - Journeyworker	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CRP 95	Water Treatment Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DFT 824	Revit I-Architectural Drafting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DFT 830	Computer Aided Drafting (CAD)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DFT 831	Advanced Computer Aided Drafting (CAD)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DFT 842	SolidWorks I	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DFT 842B	SolidWorks II	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DFT 862	Basic Fusion 360	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DFT 863	Advanced Fusion 360	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H EAR 57	School Age Child Care Programs and Curriculum Updates to content are needed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H EAR 58	Recreational Leadership in School Age Child Care Updates to content are needed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H EAR 59	Practicum in School-Age Updates to content are needed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EMS 56	Advanced Emergency Medical Technician	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EMS 57	Advanced Emergency Medical Technician (clinical)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H ENE 35B	Dynamics Some formatting fixes needed. No entrance skills. Course content may be light. Course number may need to be changed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H ENE 35C	Strength of Materials Some formatting fixes needed. No entrance skills. Course content may be light. Course number may need to be changed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Courses

New Courses

M N R Notes

ENE 842 SolidWorks I

ENE 842B SolidWorks II

General Education

General Education Modifications

M N R Notes

MAT 9 BSTEM College Algebra

H MUS 98 Careers and Entrepreneurship in Music and the Arts
Holding for further discussion.

Programs

New Programs

M N R Notes

Certificate

H CIS Data Analytics
Holding for regional consortium, advisory recommendation, and LMI.

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

Degree

H CIS Data Science
Holding for regional consortium, advisory recommendation, and LMI.

Non-Credit Certificate

H ARE Noncredit Essential 3D Tour
Holding for courses.

H ARE Noncredit Essential Revit
Holding for courses.

H DFT Noncredit Essential Fusion 360
Holding for courses.

H DFT Noncredit Essential SolidWorks
Holding for courses.

H DFT Noncredit Essential CAD
Holding for courses.

Program Modifications

M N R Notes

ADT

PSY Psychology

Certificate

H HMS Careers in Social Work

Programs

Program Modifications

M N R Notes

Certificate

H HMS

Social Work Administration Studies

Technical Review Committee

Proposals for Review for Meeting: 04/19/2022

Courses

Course Major Modifications

		M	N	R	Discussion	Action
H	ETS 2 Rationale: 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: 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: 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: 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: 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	RLE 81 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.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For RLE courses, various revisions to content needed.	
H	RLE 82 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.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Courses

Course Major Modifications

		M	N	R	Discussion	Action
H	RLE 83 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.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
H	RLE 84 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
H	RLE 85 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.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
H	RLE 86 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Course Minor Modifications

		M	N	R	Discussion	Action
	BUS 814 Rationale: Two-year review. Update to text book.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	BUS 817 Rationale: Two-year review with text update.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
H	CAT 814 Rationale: Two-year review. Update to text book.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for BUS crosslisting.	
H	CAT 817 Rationale: Two-year review with text update.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for BUS crosslisting.	
	KIN V04 Rationale: Update course materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
H	PDS 808 Rationale: Two year CTE review. No changes needed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for CAT crosslisting.	

Courses

Course Minor Modifications

		M	N	R	Discussion	Action
H	PDS 810 Rationale: Time Management Two year CTE review. No changes needed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for CAT crosslisting.	
H	PDS 811 Rationale: High Impact Presentations and Proposals for the Work Place Two year CTE review. No changes needed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for CAT crosslisting.	
H	PDS 812 Rationale: Workplace Communication Strategies Two year CTE review. No changes needed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for CAT crosslisting.	

Distance Education

		M	N	R	Discussion	Action
	CIS 21CDE Rationale: Red Hat Linux System Administration I	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	CIS 27CDE Rationale: Palo Alto Networks Firewall Essentials	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	DFT 31DE Rationale: Advanced Computer Aided Drafting (CAD)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	DFT 62DE Rationale: Basic Fusion 360	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	DFT 63DE Rationale: Advanced Fusion 360	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
H	MAT 109DX Rationale: Corequisite Support for Math 9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Votes show Moreno Valley only.	
H	MAT 9DE Rationale: BSTEM College Algebra	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Votes show Moreno Valley and Norco but not RCC.	

New Courses

		M	N	R	Discussion	Action
	ARE 824 Rationale: Revit I-Architectural Drafting Developed as a part of a noncredit certificate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	ARE 825 Rationale: Revit II-Advanced Architectural Drafting Developed as a part of a noncredit certificate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Courses

New Courses

		M	N	R	Discussion	Action
ARE 863	3D Tour, Virtual, Mixed, Augmented and Extended Reality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Developed as a part of a noncredit certificate.					
CON 862	Print Reading for Construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Developed as a part of a noncredit certificate.					
CRP 004	Lifting, and Bracing Safety	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	An agreement (Attached MOU) made with Southwest Carpenters Union to have them train our students with the courses we develop based on Carpenter's Union Curriculum and Santiago Valley College. These courses are same as 400 series apprenticeship programs, taught by professionals on the job site. (No New hire required). We are planning to schedule this program/courses in Fall 22					
CRP 02B	Slabs/Interior-Exterior Footings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 04A	Lifting, and Bracing Safety	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 04B	Poured-in-Place Wall Forms	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 05A	Wall-Column Forms/Cutting and Burning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 05B	Site Work/Curb and Gutter	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 05C	Specialized Forms and Rigging	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 062	Standard Acoustical Grids	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 21A	Orientation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 21B	Safety and Health Certifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 21C	Basic Wall Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						

Courses

New Courses

		M	N	R	Discussion	Action
CRP 21E	Tool/Equipment Applications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 22A	Commercial Floor Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 22B	Basic Stairs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 22D	Exterior Finish Details	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 22E	Commercial Roof Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 23B	Basic Roof Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 23C	Advanced Roof Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 24A	Basic Commercial Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 24B	Advanced Commercial Framing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:						
CRP 24C	Panelized Roofing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 24D	Transit Level/Laser	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 24E	Total Station I	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 25	Welding Fabrication	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 25A	Foundations and Flatwork	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 25C	Advanced Stairs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						

Courses

New Courses

		M	N	R	Discussion	Action
CRP 25D	Advanced Print Reading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 26A	Tilt-Up Panel Construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 26B	Wall Forming	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 26C	Gang Forms/Columns	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 26D	Abutments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 27C	Beam and Deck Forming	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 27D	Stairs and Ramp Forming	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 28A	Bridge Construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 28C	Intermediate Commercial Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 28E	Bridge Falsework	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 29A	Rigging	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 29BJ	Rigging Qualification Studies - Journeyworker	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 29C	Solar Installer Level 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 30A	Standard First Aid	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 33A	Cabinet Millwork and Assembly	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						

Courses

New Courses

		M	N	R	Discussion	Action
CRP 33B	Cabinet Installation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 33C	Show Case and Loose Store Fixtures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 33D	Molding and Trims	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 34A	Plastic Laminates	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 34B	Solid and Stone Surfaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 34C	Stair Trim	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 34D	Doors and Door Hardware	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 35C	Exit and Electrical Security Devices	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 3A	Tilt-Up Introduction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 40CJ	Scaffold Erector, Standard 40 Hour - Journeyworker	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 40EJ	Scaffold Erector, Systems Scaffold - Journeyworker	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 41A	Powered Industrial Truck Operator - Rough Terrain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 41B	Powered Industrial Truck Operator	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 4C	Print Reading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 61A	Acoustical Ceilings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						

Courses

New Courses

		M	N	R	Discussion	Action
CRP 61B	Advanced Acoustical Ceiling Layout	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 61C	Advanced Acoustical Ceiling Installation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 63	Suspended Ceilings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 64	Acoustical Soffits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 65	Prefab/Sound Panels	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 66	Concealed/Glue-Up/Staple-Up Systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 67	Designer and Specialty Trims	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 68	Metal Pan and Security Systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 71A	Orientation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 71B	Safety and Health Certifications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 71C	Tool/Equipment Applications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 72A	Basic Metal Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 72B	Basic Lathing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 72C	Advanced Lathing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 73A	Framing Ceilings and Soffits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						

Courses

New Courses

		M	N	R	Discussion	Action
CRP 73B	Framing Suspended Ceilings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 73C	Framing Curves and Arches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 74A	Print Reading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 74B	Advanced Print Reading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 74C	Air, Moisture, and Thermal Barriers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 75A	Light Gage Welding AWS - A	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 75B	Light Gage Welding LAC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 75C	Light Gage Welding AWS - B	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 76A	Basic Hand Finishing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 76B	Automatic Finishing Tools	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 77A	Drywall Installation/Finish Trims	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 77B	Advanced Hand Finishing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:						
CRP 77C	Advanced Automatic Finishing Tools	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:						
CRP 78B	Advanced Metal Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 78C	Wet Wall Finishes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						

Courses

New Courses

		M	N	R	Discussion	Action
CRP 78D	Ceiling and Soffit Finishing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 79A	Drywall and Acoustical Ceilings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 79C	Drywall Applications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 79D	Drywall Applications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 82B	S/B Firestop/Fireproofing Procedures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 82C	Decorative Trims and Textures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 83	Door and Door Frames	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 83C	Door/Door Frame	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 86A	Exterior Insulation Finish Systems (EIFS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 89	Freeform Lathing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 90	Residential Steel Stud Framing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 94J	Confined Space - Journeyworker	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
CRP 95	Water Treatment Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:						
DFT 824	Revit I-Architectural Drafting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale: Developed as a part of a noncredit certificate.						
DFT 830	Computer Aided Drafting (CAD)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale: Developed as a part of a noncredit certificate.						

Courses

New Courses

		M	N	R	Discussion	Action
	DFT 831 Advanced Computer Aided Drafting (CAD) Rationale: Developed as a part of a noncredit certificate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	DFT 842 SolidWorks I Rationale: Developed as a part of a noncredit certificate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	DFT 842B SolidWorks II Rationale: Developed as a part of a noncredit certificate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	DFT 862 Basic Fusion 360 Rationale: Emerging technology for makers. A part of "Essential Fusion 360" certificate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	DFT 863 Advanced Fusion 360 Rationale: Developed as a part of a noncredit certificate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Updates to content are needed.	
H	EAR 58 Recreational Leadership in School Age Child Care 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Updates to content are needed.	
H	EAR 59 Practicum in School-Age Rationale: The school-age certificate will help meet the needs of our community.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Updates to content are needed.	
	EMS 56 Advanced Emergency Medical Technician Rationale: There are 4 different levels of training for EMS and this course will complete the offerings of all four courses. The partners that we serve are requesting the training for their fire personnel and this course would fill that gap.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	EMS 57 Advanced Emergency Medical Technician (clinical) Rationale: The course is being designed to meet the needs of our tribal partners that are training their EMTs to the Advanced EMT level. This course is supported by Riverside County EMS Agency and the government agency approved the creation of this course.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Courses

New Courses

		M	N	R	Discussion	Action
H	ENE 35B Rationale: Dynamics 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.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Some formatting fixes needed. No entrance skills. Course content may be light. Course number may need to be changed.	
H	ENE 35C Rationale: Strength of Materials The course is needed to support engineering transfer students prepare and satisfy transfer requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Some formatting fixes needed. No entrance skills. Course content may be light. Course number may need to be changed.	
	ENE 842 Rationale: SolidWorks I Developed as a part of a noncredit certificate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	ENE 842B Rationale: SolidWorks II Developed as a part of a noncredit certificate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

General Education

General Education Modifications

		M	N	R	Discussion	Action
	MAT 9 Rationale: BSTEM College Algebra The Math discipline has voted to approve Math 9 to satisfy the RCCD GE requirement in Language and Rationality.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
H	MUS 98 Rationale: Careers and Entrepreneurship in Music and the Arts Proposal to include MUS 98 Careers in Music in RCCD GE Area E 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Holding for further discussion.	

Programs

New Programs

M N R

Discussion

Action

Certificate

H **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.

Holding for regional consortium, advisory recommendation, and LMI.

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

H **EAR** **Early Childhood Education School Age**

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.

Held for new courses not yet at Tech Review.

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

Degree

H **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.

Holding for regional consortium, advisory recommendation, and LMI.

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

Programs

New Programs

M N R Discussion

Action

Non-Credit Certificate

H **ARE** **Noncredit Essential 3D Tour** Holding for courses.
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](#)

H **ARE** **Noncredit Essential Revit** Holding for courses.
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](#)

H **DFT** **Noncredit Essential Fusion 360** Holding for courses.
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](#)

H **DFT** **Noncredit Essential SolidWorks** Holding for courses.
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](#)

H **DFT** **Noncredit Essential CAD** Holding for courses.
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](#)

Program Modifications

M N R Discussion

Action

ADT

PSY **Psychology**
Rationale: Adding a new course (PSY 11: Psychology of Human Sexuality) to the Psychology ADT.

Certificate

H **HMS** **Careers in Social Work**
Rationale:

Programs

Program Modifications

M N R Discussion

Action

Certificate

H HMS Social Work Administration Studies

Rationale:

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: 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
- 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

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: Noncredit 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: Noncredit 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: Noncredit 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:

- | | |
|---|--|
| <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 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: Noncredit 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: Noncredit 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 of Record – Associate Degree for Transfer (ADT)

Program Outline

Title: Psychology

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: 200100 **CIP Code:** 420101

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:

(Please be specific! Indicate any changes such as title, description, learning outcomes, courses, unit values, etc.)

A new course (PSY 10: Psychology of Personal and Social Adjustment) is being added to the ADT.

Rationale:

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

- Adding a new course (PSY 11: Psychology of Human Sexuality) to the Psychology ADT.

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:

- Evidence of district-wide discipline communication
- 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 Outline of Record – Associate Degree for Transfer (ADT)

Program Narrative

Item 1. Program Goals and Objectives

The Associate in Arts in Psychology for Transfer degree is designed to prepare students who wish to transfer for the purposes of pursuing studies in psychology. Specifically, this degree allows students to complete various lower division courses in preparation for obtaining a baccalaureate degree in psychology at a California State University.

Item 2. Catalog Description

The Associate in Arts in Psychology for Transfer degree is designed to prepare students who wish to transfer for the purposes of pursuing studies in psychology. Specifically, this degree allows students to complete various lower division courses in preparation for obtaining a baccalaureate degree in psychology at a California State University.

Program Learning Outcomes

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

- Apply the basic tenets of psychology to the study of more in depth topics in upper division courses
- Distinguish between the main theoretical perspectives in psychology
- Analyze the primary subfields of psychology and gauge their contributions to the understanding of behavior, cognition, and emotion

Required Courses: 19-20 units

Course	Title	Units
*MAT-12/12H or *PSY-48/SOC-48	Statistics / Honors Statistics Statistics for the Behavioral Sciences	4 3
*PSY-1/1H	General Psychology/Honors General Psychology	3
*PSY-50	Research Methods in Psychology	4

LIST A: Required Courses: 3 units

Course	Title	Units
*PSY-2	Biological Psychology	3

LIST B: Required Courses: 3 units

Course	Title	Units
*PSY-9	Developmental Psychology	3

Program Outline of Record – Associate Degree for Transfer (ADT)

LIST C: Elective Choose One: 3 units

Course	Title	Units
PSY-33	Theories of Personality	3
PSY-35/35H	Abnormal Psychology/Honors Abnormal Psychology	3
PSY-8	Introduction to Social Psychology	3
PSY-10	Psychology of Personal and Social Adjustment	3
PSY-11	Psychology of Human Sexuality	3

***Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.**

ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The Associate in Arts in Psychology 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).