

District Technical Review Committee Meeting Agenda

Tuesday, October 4, 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"/> Susan Mills (Co-Chair, VC Ed. Services)	<input type="checkbox"/> Bryan Medina (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/81658659020?pwd=aHhIUvHONEVacFBpeGkyandLK1pIldz09>
 +1 669 900 6833 US
 Meeting ID: 816 5865 9020
 Passcode: 226071

Agenda and Minutes

1. Approval of Agenda
2. Approval of Minutes – September 20, 2022

Action Items

1. Curriculum Proposals
2. Non-credit Music Courses 854, 855, 868

Discussion Items

1. Department Approval Process – Kelly Douglass
2. MAT-35 on Existing CORs – Sabina Fernandez, Ann Pfeifle
3. Confirmation of Program Submission to TR E-mail Deadline – Steven Schmidt

Program Documentation

1. New Programs
 - a. Economics
 - b. Data Analytics

- c. Community Action and Leadership
 - d. Data Science
 - e. Music and Audio Technology
 - f. Apprenticeship Carpentry, Acoustical Installer
 - g. Apprenticeship Carpentry, Concrete
 - h. Apprenticeship Carpentry, Drywall Finisher
 - i. Apprenticeship Carpentry, Drywall Lather
 - j. Apprenticeship Carpentry, Finish Carpentry
 - k. Apprenticeship Carpentry, Framing
 - l. Apprenticeship Carpentry, Tilt-Up
2. Program Modifications
- a. Kinesiology
 - b. Foundational Culinary Arts
 - c. Sustainability in Science and Technology
 - d. Culinary Arts
 - e. 3D Mechanical Drafting
 - f. Drafting Technology

Technical Review - Curriculum Proposals

Proposals for Review for 10/04/2022

Courses

Course Deletions

M N R Notes

BIO 2 [Zoology](#)

BIO 2DX [Zoology](#)

Course Exclusions

M N R Notes

CIS 1B [Advanced Concepts in Computer Information Systems](#)

CIS 76A [Introduction to Microsoft Expression Web](#)

CIS 78B [Advanced Photoshop](#)

CIS 81 [Introduction to Desktop Publishing using Adobe InDesign](#)

ENG 50 [Basic English Composition](#)

ENG 80 [Preparatory Composition](#)

ENG 91 [Basic English Composition](#)

Course Inclusions

M N R Notes

ACC 67 [U.S. & California Income Tax Preparation](#)

Course Major Modifications

M N R Notes

ADM 2B [Color Printing Systems and Color Management](#)

ADM 74B [Web Design II](#)

H ANT 1 [Physical Anthropology](#)
Need objectives and minutes.

H ANT 1H [Honors Physical Anthropology](#)
Need objectives and minutes.

H ANT 2H [Honors Cultural Anthropology](#)
Need objectives and minutes. Need ANT 2 counterpart. Kelly will reach out.

H BIO 1 [General Biology](#)
Need to await BIO 1H.

BIO 31A [Regional Field Biology Studies](#)

BIO 31B [Regional Field Biology Studies](#)

BIO 31C [Regional Field Studies - Neotropics](#)

Courses

Course Major Modifications

		M	N	R	Notes
BIO 31D	Regional Field Studies - Eurasia	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
BIO 31E	Regional Field Studies - South America	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
BIO 55	Microbiology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H BIO 60	Introduction to Molecular and Cellular Biology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Awaiting BIO 60H				
BIO 60H	Honors Introduction to Molecular and Cellular Biology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
COM 2	Introduction to Persuasion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DEA 10	Introduction to Dental Assisting and Chairside Assisting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ELE 64	Programmable Logic Controllers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ELE 864	Programmable Logic Controllers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ESL 801	ESL Support for Career and Technical Programs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ESL 90L	Special Topics in English as a Second Language: Punctuation of Phrases and Clauses	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ESL 90M	Special Topics in English as a Second Language: Articles and Prepositions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H ETS 2	Introduction to Chicanx and Latinx Studies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Held to await crosslisted HIS 31 (now HIS 61).				
IAT 10	Industrial Automation 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
KIN 36	Wellness: Lifestyle Choices	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN A31A	Beginning Hydro HIIT (High Intensity Interval Training)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN A31B	Intermediate Hydro HIIT (High Intensity Interval Training)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN A31C	Advanced Hydro HIIT (High Intensity Interval Training)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN A46	Yoga, Beginning	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
KIN A47	Yoga, Intermediate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
KIN V10	Soccer, Varsity Men	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN V25	Soccer, Varsity, Women	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
KIN V61	Football Fundamentals, Offensive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
MAN 36	General machine shop and theory of machining	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Courses

Course Major Modifications

		M	N	R	Notes
MAN 56	CNC Machine Set-Up and Operation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MAN 57	CNC Program Writing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MAN 60	Hydraulic and Pneumatic Systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MAN 64	Programmable Logic Controllers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MAN 856	CNC Machine Set-Up and Operation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MAN 857	CNC Program Writing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MAN 860	Hydraulic and Pneumatic Systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H MAT 125	Corequisite Support for MAT-25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Minutes are MOV only.
H MAT 25	Mathematics for the Liberal Arts Student	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Minutes are Moreno Valley only. Should MAT-35 prerequisite be replaced with "Intermediate Algebra"? Brian will contact faculty.

Course Minor Modifications

		M	N	R	Notes
ADM 1	Introduction to Applied Digital Media and Printing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 2A	Color Systems and File Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 2C	Ethics and Legalities for Graphic Designers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 55	Business Management for Graphic Communications	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 62	Typography and Graphic Design	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 63A	Design For Print Publication	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 63B	Design for Electronic Publication	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 67	Multimedia Animation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 68A	3D Animation with Maya I	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 68B	3D Animation with Maya II	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 70	Project Production and Portfolio	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 71A	Adobe Photoshop for Image Manipulation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 71B	Adobe Photoshop, Advanced	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 74A	Web Design	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 77A	Adobe Illustrator for Graphic Art	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Courses

Course Minor Modifications

		M	N	R	Notes
ADM 77B	Adobe Illustrator, Advanced	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 84A	Screen Printing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 84B	Screen Printing, Advanced	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 85A	Commercial Printing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADM 85B	Commercial Printing, Advanced	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
AIR 92	Advanced Building Automation Networks and Programming	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
H CAT 55	Applied Accounting/Bookkeeping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Hold for ACC 55				
H CAT 65	Introduction to Microsoft PowerPoint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Hold for CIS crosslisting.				
H CAT 91	Microsoft Project	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Hold for CIS crosslisting.				
FIT 1	Fire Protection Organization	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT 2	Fire Behavior and Combustion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT 3	Fire Protection Equipment and Systems	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT 4	Building Construction for Fire Protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT 5	Fire Prevention	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIT 7	Principles of Fire and Emergency Services Safety and Survival	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
KIN 30	First Aid and CPR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN 38	Stress Management	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN V52	Fastpitch Fundamentals: Offensive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN V53	Fastpitch Fundamentals: Defensive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
KIN V60	Football Fundamentals, Defensive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
LIB 1	Introduction to Information Literacy	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Distance Education

		M	N	R	Notes
H GEG 1HDE	Honors Physical Geography	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Brian and Kelly will reach out to NOR and RIV honors committee for any feedback.				
JOU 150DE	Intro to Public Relations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Courses

New Courses

		M	N	R	Notes	
H	IAT 15	Industrial Automation 5 - Advanced Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Minutes are for curriculum development generally, not for this specific course. In the lab content, it is a very large number of items, none of which have secondary topic. Should there be 'a's and 'b's?					
H	IAT 20	Industrial Electrical and Motors 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	No entrance skills for prerequisite links. Did not see department or discipline minutes. The 24 hour lab brings the unit value to 3.44. Ann will reach out to faculty. The language in the course content is much like objectives. Language like "describe..." is used. Cross discipline should be removed.					
H	IAT 21	Industrial Electrical and Motors 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	No entrance skills for prerequisite links. Did not see department or discipline minutes. The 24 hour lab brings the unit value to 3.44. Ann will reach out to faculty. The language in the course content is much like objectives. Language like "describe..." is used. Cross discipline should be removed.					
H	IAT 30	Industrial Automation 3 – Pneumatic and Hydraulic Systems	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Minutes are for curriculum development generally, not for this specific course. In the lab content, it is a very large number of items, none of which have secondary topic. Should there be 'a's and 'b's?					
H	IAT 40	Industrial Automation 4 – Sensors and Process Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Minutes are for curriculum development generally, not for this specific course. In the lab content, it is a very large number of items, none of which have secondary topic. Should there be 'a's and 'b's?					
	KIN A08A	Pickleball, Beginning	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	KIN A48	Yoga, Advanced	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	MAN 836	General machine shop and theory of machining	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	MAN 864	Programmable Logic Controllers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Disciplines

New Disciplines

		M	N	R	Notes	
	CDL	Commercial Driver's License	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Programs

New Programs

		M	N	R	Notes	
ADT	ECO	Economics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Programs

New Programs

M N R Notes

Certificate

H CIS **Data Analytics**
Awaiting regional consortium. Has MAT-35 as a program requisite.

POL **Community Action and Leadership**

Degree

H CIS **Data Science**
Awaiting regional consortium. Has MAT-35 as a program requisite.

MUS **Music and Audio Technology**

Degree & Certificate

H CRP **Apprenticeship Carpentry, Acoustical Installer**
Missing minutes, LMI, DAS letter, and RSI hours and years.

H CRP **Apprenticeship Carpentry, Concrete**
Missing minutes, LMI, DAS letter, and RSI hours and years.

H CRP **Apprenticeship Carpentry, Drywall Finisher**
Missing minutes, LMI, DAS letter, and RSI hours and years.

H CRP **Apprenticeship Carpentry, Drywall Lather**
Missing minutes, LMI, DAS letter, and RSI hours and years.

H CRP **Apprenticeship Carpentry, Finish Carpentry**
Missing minutes, LMI, DAS letter, and RSI hours and years.

H CRP **Apprenticeship Carpentry, Framing**
Missing minutes, LMI, DAS letter, and RSI hours and years.

H CRP **Apprenticeship Carpentry, Tilt-Up**
Missing minutes, LMI, DAS letter, and RSI hours and years.

Program Modifications

M N R Notes

ADT

KIN **Kinesiology**

Certificate

CUL **Foundational Culinary Arts**

H HMS **Careers in Social Work**

H HMS **Social Work Administration Studies**

Degree

BIO **Sustainability in Science and Technology**

Degree & Certificate

CUL **Culinary Arts**

Programs

Program Modifications

M N R Notes

Degree & Certificate

DFT	3D Mechanical Drafting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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DFT	Drafting Technology	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Technical Review - Curriculum Proposals

Proposals for Review for 10/04/2022

Courses

Course Deletions

M N R Discussion

Action

BIO 2 **Zoology**

Rationale: Course has not been taught by the Life Sciences Department in over 8-years. Currently, material handled by this class is covered by another course, BIO-6.

BIO 2DX **Zoology**

Rationale: Course has not been taught by the Life Sciences Department in over 8-years. Currently, material handled by this class is covered by another course, BIO-6. The non-DE version of this course has also been voted by the LS Department for Course Deletion.

Course Exclusions

M N R Discussion

Action

CIS 1B **Advanced Concepts in Computer Information Systems**

Rationale: This course has a stand-alone course since Riverside City College deleted the Computer Applications program. Currently the 1B course is a stand-alone course, is not in any other programs, and has very low enrollment. MVC will continue to offer the course to support the Computer Applications Program at their college.

CIS 76A **Introduction to Microsoft Expression Web**

Rationale: Course has not been offered in years and is a standalone-not in any programs at Riverside. Expression Web has been discontinued by Microsoft.

CIS 78B **Advanced Photoshop**

Rationale: Course has not been offered in years and is a standalone-not in any programs at Riverside.

CIS 81 **Introduction to Desktop Publishing using Adobe InDesign**

Rationale: Course has not been offered in years and is a standalone-not in any programs at Riverside.

ENG 50 **Basic English Composition**

Rationale: Moreno Valley College would like to exclude English 50 from their course offerings. English 50, which is a below-transfer course, is no longer schedule/offered at Moreno Valley College due to AB705. Instead, students are placed directly into transfer-level English courses.

Courses

Course Exclusions

M N R Discussion

Action

ENG 80 **Preparatory Composition**

Rationale: Moreno Valley College would like to exclude English 80 from their course offerings. English 80, which is a below-transfer course, is no longer schedule/offered at Moreno Valley College due to AB705. Instead, students are placed directly into transfer-level English courses.

ENG 91 **Basic English Composition**

Rationale: Moreno Valley College would like to exclude English 91 from their course offerings. With the introduction of AB705, MVC no longer offers or schedules courses that are below transfer. English 91 is a co-requisite course that was designed to support students who would have traditionally been placed in pretransfer courses (e.g., English 50 and English 80)—students take English 91 concurrently with English 1A. However, based on research from the California Acceleration Project and based on data analysis of our own MVC students, the English discipline determined that English 91 was not effective at meetings students' needs. Instead, students were seeing more success by simply mainstreaming into English 1A with supports other than English 91 (e.g., professors rethinking their course design, policies, and curriculum after professional development on antiracist and culturally responsive teaching; other embedded supports that do not require additional time and financial burdens).

Course Inclusions

M N R Discussion

Action

ACC 67 **U.S. & California Income Tax Preparation**

Rationale: Moreno Valley College has applied to become a Qualified Educational Provider (QE) for the CA Tax Education Council (CTEC), which offers tax education, and would qualify students to become licensed tax preparers. The U.S. and California income tax principles and tax return course offers preparation as it relates to individuals, sole proprietorships, and other business entities. This course is required by the California Tax Education Council (CTEC) to fulfill the 60-hour qualifying education requirement imposed by the State of California for becoming a Registered Tax Preparer. The required course curriculum provides 45 hours of federal credit, 15 hours of California state credit and 2 hours of ethics towards the qualifying education requirement for tax preparers.

Courses

Course Major Modifications

		M	N	R	Discussion	Action
	ADM 2B Color Printing Systems and Color Management	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: Updated course title, course description and course contents.					
	ADM 74B Web Design II	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: Updated course title, course description, and course materials					
H	ANT 1 Physical Anthropology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Need objectives and minutes.	
	Rationale: SLOs need refinement, textbooks need updating and this course needs modernizing to include current understandings of modern human variation and the social impacts of those understandings. In addition, the interactions between culture and biology with respect to viral mutation must feature more heavily in the COR.					
H	ANT 1H Honors Physical Anthropology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Need objectives and minutes.	
	Rationale: This course provides the student an opportunity to master in depth reading and writing skills while focusing on the materials of ANT 1. The course fits into the broader Honor's Program as a whole and follows the same designs for in-depth discussion and writing skill mastery.					
H	ANT 2H Honors Cultural Anthropology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Need objectives and minutes. Need ANT 2 counterpart.	
	Rationale: Update textbook options for the course				Kelly will reach out.	
H	BIO 1 General Biology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Need to await BIO 1H.	
	Rationale: To update course as part of program review.					
	BIO 31A Regional Field Biology Studies	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: As part of the program review process, we aim to add course objectives, refine SLOs, and update content of the course.					
	BIO 31B Regional Field Biology Studies	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: As part of the program review process, we aim to add course objectives, refine SLOs, and update content of the course.					
	BIO 31C Regional Field Studies - Neotropics	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: As part of the program review process, we aim to add course objectives, refine SLOs, and update content of the course.					
	BIO 31D Regional Field Studies - Eurasia	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	Rationale: As part of the program review process, we aim to add course objectives, refine SLOs, and update content of the course.					

Technical Review Proposals for 10/04/2022

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

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

Courses

Course Major Modifications

		M	N	R	Discussion	Action
BIO 31E	Regional Field Studies - South America	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	As part of the program review process, we aim to add course objectives, refine SLOs, and update content of the course.					
BIO 55	Microbiology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	Add Objectives, revise SLOs, update textbooks.					
H BIO 60	Introduction to Molecular and Cellular Biology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Awaiting BIO 60H	
Rationale:	Advisories are being updated, since MAT-35, ENG-50, and ENG-80 have been removed from the catalogue. Course Objectives are also being added, along with some updates to Course Material and SLOs. Textbooks have also been updated to bring materials into 5-year compliance.					
BIO 60H	Honors Introduction to Molecular and Cellular Biology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Advisories are being updated, since MAT-35, ENG-50, and ENG-80 have been removed from the catalog. Course Objectives are also being added, along with some updates to Course Material and SLOs. Textbooks have also been updated to bring materials into 5-year compliance.					
COM 2	Introduction to Persuasion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This course was reviewed and updated as part of our regular cycle. Our focus was on modernization using an equity lens.					
DEA 10	Introduction to Dental Assisting and Chairside Assisting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rationale:	The current pre-requisite for this course, "qualification for ENG-1A is no longer valid due to Title V and AB 705. This is a proposal for changing the pre-requisite to: "previous academic GPA of 2.0 or higher". This change is necessary for compliance with both state legislature and discipline accreditation standards and to ensure student success in the Dental Assistant Program. This pre-requisite was determined in collaboration with faculty discipline, English Department faculty and Institutional Effectiveness.					
ELE 64	Programmable Logic Controllers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Updating textbooks. Creating MAN/ELE 864					
ELE 864	Programmable Logic Controllers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rationale:	Updating textbooks. Creating MAN/ELE 864					
ESL 801	ESL Support for Career and Technical Programs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Rationale:	This course is being updated to reflect the new advisory.					

Technical Review Proposals for 10/04/2022

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

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

Courses

Course Major Modifications

M N R Discussion

Action

	ESL 90L	Special Topics in English as a Second Language: Punctuation of Phrases and Clauses	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Rationale:	This major course modification is to update prerequisites and texts.				
	ESL 90M	Special Topics in English as a Second Language: Articles and Prepositions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Rationale:	This major course revision is to update advisories and textbooks.				
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).
	Rationale:	Per AB1460, this Ethnic Studies course is designed to fulfill the CSU Area F GE Breadth graduation requirement.				
	IAT 10	Industrial Automation 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Rationale:	Incorrect hours and units on original.				
	KIN 36	Wellness: Lifestyle Choices	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Rationale:	Update learning objectives, SLO's, and course content.				
	KIN A31A	Beginning Hydro HIIT (High Intensity Interval Training)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Rationale:	Change the name of the course, change the course description, change the short description, change the learning objectives, change the SLO's, adjust the course content, adjust the Methods of Instruction, adjust the Methods of Evaluation, adjust sample assignments, and adjust course materials (other texts).				
	KIN A31B	Intermediate Hydro HIIT (High Intensity Interval Training)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Rationale:	Change the name of the course, change the course description, change the short description, change the learning objectives, adjust the entrance skills, change the SLO's, adjust the course content, adjust the Methods of Instruction, adjust the Methods of Evaluation, adjust sample assignments, and adjust course materials (other texts).				
	KIN A31C	Advanced Hydro HIIT (High Intensity Interval Training)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Rationale:	Change the name of the course, change the course description, change the short description, change the learning objectives, adjust the entrance skills, change the SLO's, adjust the course content, adjust the Methods of Instruction, adjust the Methods of Evaluation, adjust sample assignments, and adjust course materials (other texts).				
	KIN A46	Yoga, Beginning	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Rationale:	Update course materials, simplify the name, change the SLO's				

Technical Review Proposals for 10/04/2022

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

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

Courses

Course Major Modifications

M N R Discussion

Action

KIN A47 **Yoga, Intermediate**

Rationale: We are changing the course name by simplifying the name to Yoga, instead of Hatha Yoga. We are adding course materials, changing SLO's and updating the content.

KIN V10 **Soccer, Varsity Men**

Rationale: Refine Course Objectives, SLOs, Course Content, Outside of Class Reading Assignments, and update Course Materials.

KIN V25 **Soccer, Varsity, Women**

Rationale: Refine Course Objectives, SLOs, Course Content, Outside of Class Reading Assignments, and update Course Materials.

KIN V61 **Football Fundamentals, Offensive**

Rationale: Update course materials and update learning objectives.

MAN 36 **General machine shop and theory of machining**

Rationale: Updating textbooks creating 836

MAN 56 **CNC Machine Set-Up and Operation**

Rationale: Updating textbooks

MAN 57 **CNC Program Writing**

Rationale: Updating textbooks

MAN 60 **Hydraulic and Pneumatic Systems**

Rationale: Updating course textbooks

MAN 64 **Programmable Logic Controllers**

Rationale: Updating textbooks. Creating MAN/ELE 864

MAN 856 **CNC Machine Set-Up and Operation**

Rationale: Updating textbooks

MAN 857 **CNC Program Writing**

Rationale: Updating textbooks

MAN 860 **Hydraulic and Pneumatic Systems**

Rationale: Updating course textbooks

Courses

Course Major Modifications

		M	N	R	Discussion	Action
H	MAT 125 Rationale: Corequisite Support for MAT-25 Need to update the course outline to reflect new prerequisite language and update course materials.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Minutes are MOV only.	
H	MAT 25 Rationale: Mathematics for the Liberal Arts Student Need to update the course outline to reflect the new prerequisite language and update course materials.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Minutes are Moreno Valley only. Should MAT-35 prerequisite be replaced with "Intermediate Algebra"? Brian will contact faculty.	

Course Minor Modifications

		M	N	R	Discussion	Action
	ADM 1 Rationale: Introduction to Applied Digital Media and Printing Reviewed by the ADM department. No change needed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 2A Rationale: Color Systems and File Management Reviewed by the ADM department. No change needed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 2C Rationale: Ethics and Legalities for Graphic Designers Course materials updated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 55 Rationale: Business Management for Graphic Communications Course materials updated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 62 Rationale: Typography and Graphic Design Course materials updated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 63A Rationale: Design For Print Publication Course materials updated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 63B Rationale: Design for Electronic Publication Course materials updated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 67 Rationale: Multimedia Animation Course materials updated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 68A Rationale: 3D Animation with Maya I Reviewed by the ADM department. No change needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 68B Rationale: 3D Animation with Maya II Reviewed by the ADM department. No change needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Courses

Course Minor Modifications

		M	N	R	Discussion	Action
	ADM 70 Project Production and Portfolio Rationale: Reviewed by the ADM department. No change needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 71A Adobe Photoshop for Image Manipulation Rationale: Course materials updated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 71B Adobe Photoshop, Advanced Rationale: Course materials updated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 74A Web Design Rationale: Course materials updated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 77A Adobe Illustrator for Graphic Art Rationale: Course materials updated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 77B Adobe Illustrator, Advanced Rationale: Course materials updated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 84A Screen Printing Rationale: Course materials updated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 84B Screen Printing, Advanced Rationale: Course materials updated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 85A Commercial Printing Rationale: Reviewed by the ADM department. No change needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	ADM 85B Commercial Printing, Advanced Rationale: Reviewed by the ADM department. No change needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	AIR 92 Advanced Building Automation Networks and Programming Rationale: Two-year CTE review. No changes are needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
H	CAT 55 Applied Accounting/Bookkeeping Rationale: Two year CTE review - no changes.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hold for ACC 55	
H	CAT 65 Introduction to Microsoft PowerPoint Rationale: Two year CTE review - no changes.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hold for CIS crosslisting.	
H	CAT 91 Microsoft Project Rationale: Two year CTE review - no changes.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hold for CIS crosslisting.	

Courses

Course Minor Modifications

M N R Discussion

Action

FIT 1 **Fire Protection Organization**

Rationale: This course provides students with an overall understanding of Fire Technology while educating them on the education and skills needed to become a Fire Fighter.

FIT 2 **Fire Behavior and Combustion**

Rationale: This course is needed so students understand fire behavior and the means to address different classes of fire extinguishment.

FIT 3 **Fire Protection Equipment and Systems**

Rationale: Instrumental for understanding systems that support key aspects of Fire Prevention and the systems employed in this area..

FIT 4 **Building Construction for Fire Protection**

Rationale: Examines building construction and the effects of fire behavior relative to effective firefighting.

FIT 5 **Fire Prevention**

Rationale: Provides an understanding of the proactive side of the fire service's efforts to prevent fires.

FIT 7 **Principles of Fire and Emergency Services Safety and Survival**

Rationale: Introduces students to the national firefighter life safety initiatives and the need for cultural change regarding safety within emergency services.

KIN 30 **First Aid and CPR**

Rationale: There are no new updates to the course.

KIN 38 **Stress Management**

Rationale: Update course materials.

KIN V52 **Fastpitch Fundamentals: Offensive**

Rationale: Update course materials.

KIN V53 **Fastpitch Fundamentals: Defensive**

Rationale: Update Course materials

KIN V60 **Football Fundamentals, Defensive**

Rationale: Update course materials.

LIB 1 **Introduction to Information Literacy**

Rationale: The course materials needed updating and OER materials were added.

Courses

Distance Education

M N R Discussion Action

H **GEG 1HDE** **Honors Physical Geography** Brian and Kelly will reach out to NOR and RIV honors committee for any feedback.

JOU 150DE **Intro to Public Relations**

Rationale:

New Courses

M N R Discussion Action

H **IAT 15** **Industrial Automation 5 - Advanced Operations** Minutes are for curriculum development generally, not for this specific course. In the lab content, it is a very large number of items, none of which have secondary topic. Should there be 'a's and 'b's?

Rationale: The skills gained from the course can help students increase advanced operations knowledge with special emphasis on system metrics, operation of computer-controlled machines, basic ethernet networks, basic programmable controller operations, basic mechanical and hydraulics system operation, basic mechatronic system programming and operation, basic robotics, and CNC programming/operation to include HMI-interface and operation.

H **IAT 20** **Industrial Electrical and Motors 1** No entrance skills for prerequisite links. Did not see department or discipline minutes. The 24 hour lab brings the unit value to 3.44. Ann will reach out to faculty. The language in the course content is much like objectives. Language like "describe..." is used. Cross discipline should be removed.

Rationale: The skills acquired from the course can help students enter industrial automation workforce.

H **IAT 21** **Industrial Electrical and Motors 2** No entrance skills for prerequisite links. Did not see department or discipline minutes. The 24 hour lab brings the unit value to 3.44. Ann will reach out to faculty. The language in the course content is much like objectives. Language like "describe..." is used. Cross discipline should be removed.

Rationale: The skills acquired from the course can help students enter industrial automation workforce.

H **IAT 30** **Industrial Automation 3 – Pneumatic and Hydraulic Systems** Minutes are for curriculum development generally, not for this specific course. In the lab content, it is a very large number of items, none of which have secondary topic. Should there be 'a's and 'b's?

Rationale: The skills gained from the course can improve students' advance in industrial automation maintenance, as they are important pneumatic and hydraulic system skills and knowledge.

Courses

New Courses

		M	N	R	Discussion	Action	
H	IAT 40 Rationale: The skills gained from the course can improve students' advance in industrial automation maintenance, as they are important sensors, process control, and rigging skills and knowledge.	Industrial Automation 4 – Sensors and Process Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minutes are for curriculum development generally, not for this specific course. In the lab content, it is a very large number of items, none of which have secondary topic. Should there be 'a's and 'b's?	
	KIN A08A Rationale: Creating a new course for Kinesiology.	Pickleball, Beginning	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	KIN A48 Rationale: We are leveling our Yoga classes to Beginning, Intermediate, and Advanced so that students can continue their yoga practice. We are updating the COR's for beginning class KIN A46 and intermediate KIN A47	Yoga, Advanced	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	MAN 836 Rationale: This course will be credit/no credit	General machine shop and theory of machining	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	MAN 864 Rationale: Updating textbooks. Creating MAN/ELE 864	Programmable Logic Controllers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Disciplines

New Disciplines

M N R

Discussion

Action

CDL

[Commercial Driver's License](#)

Rationale:

According to "Commercial Truck Driving in the Inland Empire/Desert Region (IEDR), September 2020, as prepared by the Centers of Excellence, "employment for heavy and tractor-trailer drivers is expected to increase 10% between 2019 and 2024. A total of 4,347 job openings will be available over the five-year timeframe. The 50th percentile, median-level, hourly wage for this occupation is \$22.56, above the \$19.94 per hour self-sustainable hourly wage estimate for a single adult with one child."

"The Centers of Excellence recommends creating new truck and bus driving programs to meet the regional need for more workers." The Centers of Excellence for Labor Market Research Top 100 Middle-Skill Occupations report lists Heavy and Tractor-Trailer Truck Drivers as the occupation with the highest projected demand. In addition, the report estimates 482 openings for Bus Drivers, School or Special Client and an additional 471 openings for Bus and Truck Mechanics and Diesel Engine Specialists, many of whom will also need a Commercial Drivers License (CDL) to perform their normal work assignments. While not specifically required for the job, other occupations on this list (such as Electrical Power-Line Installers and Repairers) may find potential employees with a CDL highly desirable candidates.

Programs

New Programs

M N R

Discussion

Action

ADT

ECO

[Economics](#)

Rationale:

MVC does not currently offer an Associate in Arts in Economics for Transfer degree (ADT) and would like to offer students the opportunity to earn an ADT. Earning the ADT before beginning a bachelor's degree program can have many benefits. Students completing this program will have an introductory foundation in the field of Economics and will be able to seamlessly transfer into the CSU system to pursue a baccalaureate degree in Economics. Students will enter with junior standing, and only 60 more credits will usually be required to earn the bachelor's degree, thereby saving both time and money.

Documents:

[Narrative](#)

[TMC](#)

Programs

New Programs

M N R

Discussion

Action

Certificate

H

CIS

Data Analytics

Awaiting regional consortium. Has MAT-35 as a program requisite.

Rationale:

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

Documents:

[Narrative](#)

[LMI](#)

[Advisory Committee](#)

[Regional Consortium](#)

Programs

New Programs

M N R Discussion

Action

Certificate

POL **Community Action and Leadership**

Rationale: As a culmination of the Community Action Leadership Academy (CALA) internship program, initially piloted in 2021-2022 and recently renewed with full outside funding from its parent organization the California Youth Leadership Corps (CYLC) through 2025-26, this interdisciplinary certificate focuses on community engagement and will bring together the philosophy and skills espoused by CALA championing social justice and empowering traditionally underserved students academically and financially through community-based experiences. Students will take three courses over the span of one academic year focusing on leadership skills and community empowerment at practical, personal, and theoretical levels. Upon completion of CALA and the certificate, students will possess certification as verified by their transcripts of experience in community engagement as well as valuable work experience at a community based organization throughout the course of the year. Together, this “learn and earn” model will provide unparalleled opportunities for students to work and support themselves and their communities.

The goal of the Community Action and Leadership Certificate is to compliment the year -long Community Action Leadership Academy (CALA) established at RCC in 2021. CALA is a social justice oriented program that trains students in policy, non-profit management skills, community empowerment, and leadership. Through academy events, a year- long paid internship experience, and this certificate, CALA will become a multi-dimensional learning and training experience for students who historically have not had access to internships. By learning in this certificate program and earning a fair wage simultaneously, student retention in CALA remains high and success and transfer rates equally so.

Documents: [Narrative](#)

Programs

New Programs

M N R

Discussion

Action

Degree

H

CIS

[Data Science](#)

Awaiting regional consortium. Has MAT-35 as a program requisite.

Rationale:

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

Documents:

[Narrative](#)

[LMI](#)

[Advisory Committee](#)

[Regional Consortium](#)

Programs

New Programs

M N R Discussion

Action

Degree

MUS

Music and Audio Technology

Rationale:

Existing AA degrees in Music are deeply rooted in tradition. In recent years there has been an emergence of non-traditional, alternative, modern music degrees in the areas of Music Industry Studies, Music Technology, Audio, and Recording Arts. These new, modern degree programs require a slightly different lower-division preparation in comparison to their traditional music degree counterparts.

Traditional music degree programs at the college level also do not typically support a student population that is “new” to academic musical studies. It is assumed that “music majors” enter college with existing, traditional music training (with a background in band, orchestra, choir, or piano), and the traditional music degree curriculum is built around that foundation. Therefore, many students with an interest in pursuing degrees and careers in the music industry generally do not have a pathway that welcomes them into academic musical studies at the college level.

This proposed AA in Music and Audio Technology has been extensively researched and tested to provide non-traditional music students with an open door into an AA degree in Music that prepares them properly for transfer into a non-traditional Bachelor’s degree in music, while also providing them with a foundation for a career in the modern music industry. It consists of a blend of traditional, foundational music courses (required of any music major), standard lower-division music technology courses (that virtually all non-traditional music degrees require at the lower-division), and lower-division coursework in the areas of economics, networking, and entrepreneurship (career and life skills for modern musicians).

The coursework in this degree has already been used (carefully crafted into an existing AA in Fine & Applied Arts) to successfully graduate and transfer Music and Audio Technology students at RCC-Riverside. For clarity and visibility, it is obvious at this time that this program needs its own title and place within the RCC catalog.

Documents: [Narrative](#)

Programs

New Programs

M N R Discussion

Action

Degree & Certificate

H **CRP** **Apprenticeship Carpentry, Acoustical Installer** Missing minutes, LMI, DAS letter, and RSI hours and years.

Rationale: An agreement was 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 the 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 2022.

Documents: [Narrative](#)

H **CRP** **Apprenticeship Carpentry, Concrete** Missing minutes, LMI, DAS letter, and RSI hours and years.

Rationale: An agreement was 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 the 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 2022.

Documents: [Narrative](#)

H **CRP** **Apprenticeship Carpentry, Drywall Finisher** Missing minutes, LMI, DAS letter, and RSI hours and years.

Rationale: An agreement was 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 the 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 2022.

Documents: [Narrative](#)

H **CRP** **Apprenticeship Carpentry, Drywall Lather** Missing minutes, LMI, DAS letter, and RSI hours and years.

Rationale: An agreement was 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 the 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 2022.

Documents: [Narrative](#)

Programs

New Programs

M N R

Discussion

Action

Degree & Certificate

- H** **CRP** **Apprenticeship Carpentry, Finish Carpentry** Missing minutes, LMI, DAS letter, and RSI hours and years.
- Rationale: An agreement was 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 the 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 2022.

Documents: [Narrative](#)

- H** **CRP** **Apprenticeship Carpentry, Framing** Missing minutes, LMI, DAS letter, and RSI hours and years.
- Rationale: An agreement was 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 the 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 2022.

Documents: [Narrative](#)

- H** **CRP** **Apprenticeship Carpentry, Tilt-Up** Missing minutes, LMI, DAS letter, and RSI hours and years.
- Rationale: An agreement was 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 the 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 2022.

Documents: [Narrative](#)

Program Modifications

M N R

Discussion

Action

ADT

- KIN** **Kinesiology**
- Rationale: We have updated the COR's for KIN A46 and A47 classes including the title of the class. The new course titles are: YOGA Beginning and YOGA Intermediate. We are requesting a modification to our program to reflect those changes.

Programs

Program Modifications

M N R Discussion

Action

Certificate

CUL **Foundational Culinary Arts**

Rationale: After careful review of our current culinary SLO's, PLO's, the Culinary Program review and faculty and student's responses, we feel the need to adjust the lecture and lab hours for Culinary 36, 37 & 38 that better reflect the actual learning and teaching time already listed in the COR's for each course. This will also change our units to 8.5 from 8. After reviewing current materials for 36, 37 & 38, there are no revisions necessary. All skills and techniques are still current and relevant, including the textbook.

H **HMS** **Careers in Social Work**

Rationale:

H **HMS** **Social Work Administration Studies**

Rationale:

Degree

BIO **Sustainability in Science and Technology**

Rationale: The program goals and objectives as well as catalog description for the program need to be changed because the B.S. degree is no longer available at UCR. However, other 4-year institutions do have an appropriate transfer degree (UCI for example).

Degree & Certificate

CUL **Culinary Arts**

Rationale: After careful review of our current culinary SLO's, PLO's, the Culinary Program review and faculty and student's responses, we feel the need to adjust the lecture and lab hours for Culinary 36, 37 & 38 that better reflect the actual learning and teaching time already listed in the COR's for each course. This will also change our units to 8.5 from 8. After reviewing current materials for 36, 37 & 38, there are no revisions necessary. All skills and techniques are still current and relevant, including the textbook.

DFT **3D Mechanical Drafting**

Rationale: Updating Drafting Technology by replacing ENE-41 Engineering Graphics with DFT-62-Basic Fusion 360. This change doesn't impact the total units in both certificates. DFT62 is a better replacement for the certificate since it has free software to use for students and includes all the contents of the previous course.

Programs

Program Modifications

M N R Discussion

Action

Degree & Certificate

DFT [Drafting Technology](#)

Rationale: Updating Drafting Technology by replacing ENE-41 Engineering Graphics with DFT-62-Basic Fusion 360. This change doesn't impact the total units in both certificates. DFT62 is a better replacement for the certificate since it has free software to use for students and includes all the contents of the previous course.

Riverside Community College District
Technical Review Committee

Program Documentation for October 4, 2022

Program Outline

Title: Economics, ADT

Originator: Tahmina Morshed

Date September 15, 2022

Department: Humanities, Education, Social and Behavioral Sciences

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: 2204.00 **CIP Code:** 45.0601

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.)

Rationale:

MVC does not currently offer an Associate in Arts in Economics for Transfer degree (ADT) and would like to offer students the opportunity to earn an ADT. Earning the ADT before beginning a bachelor's degree program can have many benefits. Students completing this program will have an introductory foundation in the field of Economics and will be able to seamlessly transfer into the CSU system to pursue a baccalaureate degree in Economics. Students will enter with junior standing, and only 60 more credits will usually be required to earn the bachelor's degree, thereby saving both time and money.

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)*
- C-ID or Assist Articulation Information, and the most current TMC Template *(Work with your Articulation Officer to obtain this documentation)*

Program Narrative

Item 1. Program Goals and Objectives

The Associate in Arts in Economics for Transfer degree (ADT) is a curricular pattern designed to prepare the student for transfer to four-year institutions of higher education and is specifically designed to satisfy the lower division requirements for a Baccalaureate Degree in Economics at a California State University. Students who successfully earn the ADT by completing a maximum of 60 transferable units are guaranteed transfer admission into a California State University (CSU) to further the study of economics. Students planning to transfer to a four-year institution and major in Economics should consult with a counselor regarding the transfer process and lower division requirements.

Item 2. Catalog Description

Economics is widely recognized as a solid background for a career in business, government, law, teaching and research. The Associate in Arts in Economics for Transfer degree (ADT) will provide an introductory foundation for the field of Economics through the study of scarcity, comparative advantage, markets, cost theory, monetary system and economic growth. The program will provide students with an introduction to the principal concepts of macro- and microeconomics, contemporary economic issues, and the global economy in order to give them the background knowledge needed by undergraduate economics majors. Students completing this course will learn how individuals and societies choose to use limited resources for production of goods and services and how they distribute them for current and future consumption.

The Associate in Arts in Economics for Transfer degree prepares students for transfer into the California State Universities (CSU) system to complete a baccalaureate degree in Economics or a similar major. The ADT requirements will fulfill the lower division major requirements at many CSUs. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. In all cases, students are advised to consult with a counselor to assess the course requirements for more information on university admission and transfer requirements.

Program Learning Outcomes

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

- Apply economic theories and economic reasoning to real world situations using the concepts of scarcity, opportunity cost, and supply and demand for individual (micro) and collective (macro) decision-making.
- Identify current governmental policies to remedy economics problems and assess the effectiveness of these policies.
- Utilize creative and critical thinking strategies in solving complex problems through the application of economics using mathematical equations, graphs and technical skill.

Program Narrative

Required Courses: 19-22 units

Course	Title	Units
ECO-7/7H	Principles of Macroeconomics/Honors Principles of Macroeconomics	3
ECO-8/8H	Principles of Microeconomics/Honors Principles of Microeconomics	3
MAT-12/12H	Statistics/Honors Statistics	4
or	or	
PSY-48/SOC-48	Statistics for the Behavioral Sciences	3
MAT-5	Calculus for Business and Life Science	4
or	or	
MAT-1A/1AH	Calculus I/Honors Calculus I	4
List A:	One course from list	3-4
List B:	One course from list	3-4

List A: Select ONE Course (3-4 units)

Course	Title	Units
MAT-1B	Calculus II	4
ACC-1A	Principles of Accounting I	3
ACC-1B	Principles of Accounting II	3

List B: Select ONE Course (3-4 units)

Course	Title	Units
Any List A course not already used above.		3-4
ECO-4	Introduction to Economics	3
ECO-5	Economics of the Environment	3
ECO-6/POL-6	Introduction To Political Economy	3
POL-1/1H	American Politics/Honors American Politics	3
PSY-1/1H	General Psychology/Honors General Psychology	3
SOC-1	Introduction to Sociology	3
MAT-1C	Calculus III	4
MAT-3	Linear Algebra	3

ASSOCIATE IN ARTS FOR TRANSFER DEGREE

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

Program Outline

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: Community Action and Leadership

Originator: Parissa Clark

Date 9/22/2022

Department: Political Science, Economics, Geography

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: 4901

CIP Code:

Type of Program:

Certificate of Achievement only Locally approved certificate (less than 8 units) 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.)

N/A

Rationale:

As a culmination of the Community Action Leadership Academy (CALA) internship program, initially piloted in 2021-2022 and recently renewed with full outside funding from its parent organization the California Youth Leadership Corps (CYLC) through 2025-26, this interdisciplinary certificate focuses on community engagement and will bring together the philosophy and skills espoused by CALA championing social justice and empowering traditionally underserved students academically and financially through community-based experiences. Students will take three courses over the span of one academic year focusing on leadership skills and community empowerment at practical, personal, and theoretical levels. Upon completion of CALA and the certificate, students will possess certification as verified by their transcripts of experience in community engagement as well as valuable work experience at a community based organization throughout the course of the year. Together, this “learn and earn” model will provide unparalleled opportunities for students to work and support themselves and their communities.

The goal of the Community Action and Leadership Certificate is to compliment the year -long Community Action Leadership Academy (CALA) established at RCC in 2021. CALA is a social justice oriented program that trains students in policy, non-profit management skills, community empowerment, and leadership. Through academy events, a year- long paid internship experience, and this certificate, CALA will become a multi-dimensional learning and training experience for students who historically have not had access to internships. By learning in this certificate program and earning a fair wage simultaneously, student retention in CALA remains high and success and transfer rates equally so.

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

1. Provide academic opportunities to learn and apply community history and wealth of knowledge
2. Allow students to connect important field experiences with academic theory and policy
3. Analyze the systemic barriers affecting social justice work in students’ communities
4. Assist in student retention via cohort style, academy learning opportunities
5. Deepen students’ critical thinking and problem-solving skills regarding real world leadership scenarios and community engagement

Item 2. Catalog Description

This certificate program is tailored to the Community Action Leadership Academy (CALA) to which students must apply and be accepted. CALA is open to all majors. This program will satisfy the “learn” aspect of the “learn and earn” model that is the foundation of the CALA internship experience. It will provide training and knowledge on issues of social justice, leadership, communication skills, and non-profit advocacy. While completing this certificate over the course of an academic year, CALA students will also complete a year- long, paid, non-profit internship in the community rooted in social justice. This program consists of 1 required internship, service, or leadership course in addition to a personal development or life/career planning guidance course and an Ethnic Studies course. Students are recommended and counseled in the academy to take additional courses based on their interests and major varying from the skills and themes which comprise effective community non-profit advocacy.

Item 3. Program Requirements

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

Required Courses: 6 units

Course	Title	Units	Sequencing
POL 14	Internship in Political Science	3	Semester 1, Fall
OR			
EDU 51	Introduction to Leadership	3	
OR			
ILA 5	Service Learning and Community Involvement	3	
AND			
GUI 47	Career exploration and Life Planning	3	Semester 1, Fall
OR			
GUI 48	College Success Strategies	3	

Required Elective Courses: 3 units

Choose one course from below:

Course	Title	Units	Sequencing	Requirement Notes
ETS	Any Ethnic Studies course or cross-listed course	3	Fall, Winter or Spring	

Total Program Units: 9 units

Item 4. Master Planning

CALA and all “learn and earn” models are grounded in equity and access in providing paid community internship work to non-traditional students or “opportunity youth” which in the case of CALA includes: first generation college students, underrepresented and underserved BIPOC and LGBTQ+ students, foster youth, system impacted students, student parents, economically challenged students, etc. CALA’s grant money through the California Youth Leadership Corps (CYLC) has been renewed through 2026-27 which stipulates the full implementation of the “learn” component during this time. This certificate in Community Action and Leadership allows CALA to fulfill its commitment to its funders and provide these student populations with the unique opportunity to complete a guided internship with accompanying coursework to fully inform their community work. Additionally, including three options for the required anchor course (POL 14, ILA 5 and EDU 51) increases the flexibility for students to branch into various pathways in possible future iterations of CALA when available should students choose to explore policy, leadership, and service specifically.

Item 5. Enrollment and Completer Projections

Our external funding allows for the coordination of a yearly cohort of up to 30 interns who will all be completing this certificate throughout the duration of each academic year. It is possible that this number

could increase or decrease as our grant renews in each funding cycle of 3 years. Because of the cohort/academy model of this program with a faculty coordinator role, students will be mentored to completion of both the internship and the certificate. The program also allows for administrative and guidance supports which are provided by the grant ensuring student success.

Item 6. Place of Program in Curriculum/Similar Programs

Most RCC certificate programs are housed within one discipline or department to hone specific skills whereas the Community Action and Leadership Certificate lays a foundation for interdisciplinary study through POL, ETS, GUD, and ILA. This is possible because of the unique nature of bridging leadership skills with social justice philosophy via this program and certificate which will be the first of its kind.

Item 7. Similar Programs at Other Colleges in Service Area

RCC is the only pilot and continuing learn and earn program in the Inland Empire region receiving funds from the California Youth Leadership Corps (CYLC). CYLC is a statewide organization that created the pilot and anchor “learn and earn” programs in California community colleges beginning in 2021 which began as 5 campuses including RCC to 12 sites by 2023. This unique funding opportunity has been cemented in the California state budget by the governor in 2022 going forward which allows RCC to institutionalize CALA and the Certificate in Community Action and Leadership.

Item 8. Transfer Preparation Information (if applicable)

The denotation of this certification and coursework on students’ transcripts will make them highly attractive to transfer institutions as well as potential employers, especially those in the nonprofit or local business sector. In addition, by including Ethnic Studies as a part of the required coursework, students will satisfy their CSU Area F requirement and the expected UC Ethnic Studies required course for graduation.

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: AA Music and Audio Technology

Originator: Jennifer Amaya

Date 9/10/2022

Department: Music

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: 1004.00

CIP Code: 50.0901

Type of Program:

Certificate of Achievement only Locally approved certificate (less than 8 units) 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.)
 N/A

Rationale:

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

Existing AA degrees in Music are deeply rooted in tradition. In recent years there has been an emergence of non-traditional, alternative, modern music degrees in the areas of Music Industry Studies, Music Technology, Audio, and Recording Arts. These new, modern degree programs require a slightly different lower-division preparation in comparison to their traditional music degree counterparts.

Traditional music degree programs at the college level also do not typically support a student population that is “new” to academic musical studies. It is assumed that “music majors” enter college with existing, traditional music training (with a background in band, orchestra, choir, or piano), and the traditional music degree curriculum is built around that foundation. Therefore, many students with an interest in pursuing degrees and careers in the music industry generally do not have a pathway that welcomes them into academic musical studies at the college level.

This proposed AA in Music and Audio Technology has been extensively researched and tested to provide non-traditional music students with an open door into an AA degree in Music that prepares them properly for transfer into a non-traditional Bachelor’s degree in music, while also providing them with a foundation for a career in the modern music industry. It consists of a blend of traditional, foundational music courses (required of any music major), standard lower-division music technology courses (that virtually all non-traditional music degrees require at the lower-division), and lower-division coursework in the areas of economics, networking, and entrepreneurship (career and life skills for modern musicians).

The coursework in this degree has already been used (carefully crafted into an existing AA in Fine & Applied Arts) to

successfully graduate and transfer Music and Audio Technology students at RCC-Riverside. For clarity and visibility, it is obvious at this time that this program needs its own title and place within the RCC catalog.

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

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

Students who complete the Associate of Arts in Music and Audio Technology will be able to:

- Identify, read, and write intermediate rhythms, scales, key signatures, melodic and harmonic intervals, and chords.
- Demonstrate the ability to hear, identify and work conceptually with the elements of music.
- Demonstrate keyboard proficiency at the level required to perform theoretical concepts studied in music theory courses.
- Establish oneself as an instrumentalist and/or vocalist suitable for entry into college/university-level applied lessons and ensembles.
- Critique musical performances and recordings with an awareness of vocabulary, musical style, performance practice, and interpretation.
- Analyze and synthesize musical content for social, cultural, aesthetic and historical significance.
- Demonstrate multi-track digital audio workstation (DAW) skills specific to MIDI and audio sequencing and composition.
- Create original and derivative works in recorded or written form.

- Network and collaborate with peers on musical projects.
- Understand the values, ethics, and economic factors that influence the music industry.
- Identify opportunities for expanding creative, innovative, and entrepreneurial skills in the music industry.
- Apply relevant knowledge, skills, and habits of mind to seek career opportunities in the field.

Item 2. Catalog Description

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

The Associate of Arts Degree in Music and Audio Technology is designed to prepare the student for transfer to institutions of higher education and specifically intended to satisfy the lower division requirements for the Baccalaureate in Arts or Science Degree in Music Industry Studies, Music Technology, or Recordings Arts at a California State University (but does not guarantee acceptance to a particular campus or major). The degree is designed to prepare students to demonstrate competence and discipline in the study of music theory, musicianship, music technology, music production, music creation, and entrepreneurship in music. It will also provide the student with a sufficient academic basis from which to pursue a career in the music industry. Completion of this curriculum will demonstrate commitment to the serious study of music and audio production and will provide comprehensive preparation for upper-division course work.

Item 3. Program Requirements

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

Required Courses: 34 (-6 GE) = 28 units

Course	Title	Units	Sequencing
MUS-3	Fundamentals of Music	4	Semester 1, Fall
MUS-32A	Class Piano I	1	Semester 1, Fall
MUS-8A	Music Technology I	3	Semester 1, Fall
MUS-101	Introduction to Music Technology	3	Winter, Year 1
MUS-4	Music Theory I	4	Semester 2, Spring
MUS-32B	Class Piano II	1	Semester 2, Spring
MUS-8B	Music Technology II	3	Semester 2, Spring
MUS-98	Careers in Music	3	Semester 2, Spring
MUS-5	Music Theory II	4	Semester 3, Fall
MUS-30 or MUS-37 or MUS-38 or MUS-39	Class Voice or Class Guitar or Beginning Applied Music I or Applied Music I	1	Semester 3, Fall

MUS-89	Music of Multicultural America (GE Area C, RCC Plan A)	(3)	Semester 3, Fall
MUS-30 or MUS-37 or MUS-38 or MUS-39	Class Voice or Class Guitar or Beginning Applied Music I or Applied Music I	1	Semester 4, Spring
ECO-4	Introduction to Economics (GE Area B2, RCC Plan A)	(3)	Semester 4, Spring

Elective Courses: 5 units
 Choose 5 units from the following:

Course	Title	Units	Sequencing
MUS-9	MIDI/Digital Audio Composition and Film Scoring	3	Semester 3, Fall
MUS-10	MIDI/Digital Audio Music Production	3	Semester 4, Spring
MUS-11	Studio Recording Techniques	3	Semester 3, Fall
MUS-P11	Live Sound Techniques I	3	Summer, Year 1 or Year 2
MUS-P52A	Songwriting I	2	Semester 4, Spring
CIS-26A	Cisco Networking Academy 1A	4	Any Fall or Spring Term
FTV-67	Introduction to Video Production	2	Any Fall or Spring Term
FTV-72	Intro to Lighting Design for Film, TV	3	Any Fall or Spring Term
THE-48	Theatrical Lighting Design	3	Any Fall or Spring Term

Total Program Units: 39 (-6 doubling as GE) = 33 units

+ GE RCC PLAN A (27 units) = 60 Units Total

Item 4. Master Planning

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

The AA in Music and Audio Technology introduces a new pathway for all students, regardless of their musical background, to enter into and pursue a degree and career in music. Students who may not have the prerequisite knowledge to be a traditional music major and/or who do not wish to follow traditional pathways in music will now have an obtainable degree option that allows them to achieve their goals. The coursework within the degree is already part of our existing curriculum, it is just being organized differently to address the needs of a different student population. There are several CSUs and many private universities offering BA degrees in music and audio production, industry, and technology that this degree aligns with.

Item 5. Enrollment and Completer Projections

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

With approximately 80 students entering into our first-level music technology course this Fall (2022), and approximately 80% of them interested in pursuing this degree, we have the potential to begin with approximately 60 students on this degree pathway, right away. Most students do not know that we offer a pathway in music technology (because we currently do not have a degree by that name), so we suspect that the numbers could very well increase after the degree is available and visible within our catalog.

Item 6. Place of Program in Curriculum/Similar Programs

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

The AA in Music and Audio Technology is an extension of the existing Music Technology certificate, CE928. It also consists of many existing, traditional music courses and is in many ways similar to AA680 in Music. Students are currently achieving the goals of this AA in Music and Audio Technology by completing AA496 – Fine and Applied Arts, but with very specific choices of coursework and very careful advising. So, this degree is already being obtained, it is in demand, and it naturally fits within our existing framework, but it is different enough to require its own designation.

Item 7. Similar Programs at Other Colleges in Service Area

Justification of need for certificate/degree in the region.

The coursework for this degree has been extensively researched to align with lower-division coursework found within non-traditional BA in Music degrees in our region, such as the BA in Music Industry Studies at Cal Poly Pomona. It has been discussed extensively with Cal State San Bernardino's Department of Music, and they are working on aligning with us in the future. Cal Baptist University has also been involved in discussions with us surrounding the creation of a degree of this nature. This new AA provides students with an option to streamline transferring into many of these non-traditional degree programs (not just within California, but across the nation), while completing coursework that is relevant and interesting to them. This music industry/technology pathway requires a different lower-division preparation than traditional music degrees require.

Item 8. Transfer Preparation Information (if applicable)

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

If students wish to use this AA in Music and Audio Technology to transfer into a BA in Music with an emphasis in Music Industry Studies, Music Technology, or similar areas, they can do so. It consists of enough traditional musical study (in theory, piano, and performance preparation) for students to be considered “music majors” by universities, while providing enough modern/non-traditional lower-division coursework for students to have a seamless transition into the non-traditional degrees, without having to take traditional music coursework in the lower-division that they simply do not need.

Program Outline of Record – Credit or Non-Credit Apprenticeships

Program Outline

Title: Apprenticeship Carpentry, Acoustical Installer, AS

Originator: Dr. Anthony E. Farmand, PhD, PE

Date Click or tap to enter a date.

Department: BEIT

College: Moreno Valley College Norco College Riverside City College

(Please note: Apprenticeships are college specific. If multiple colleges wish to adopt this apprenticeship, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0952.80

CIP Code: 46.0201

Credit Type: Credit apprenticeship

Non-credit apprenticeship

This is a: New apprenticeship

Modification to an existing apprenticeship

If this is a modification to an existing apprenticeship, please specify the changes being made:

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

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 2022.

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 program submissions must include the following:

- Evidence of district-wide discipline communication
- Department minutes showing approval
- Narrative *(see following page)*
- Labor Market Information and Analysis *(required for new apprenticeships and modifications)*
- Approval letter from the California Division of Apprenticeship Standards (DAS) *(required for new apprenticeships and modifications. The approval documentation must list the specific campus approved.)*

Program Narrative

Item 1. Program Goals and Objectives

To provide related and supplemental instruction for students who are apprentices through Norco Community College; to allow apprentices to earn college credit for their related and supplemental instruction; to prepare apprentices for journey-level work in the acoustical tile field; to meet the needs of apprentices and employers.

Item 2. Catalog Description

The Associate of Science (AS) degree in Apprenticeship Carpentry, Acoustical Installer provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

Program Learning Outcome

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

1. Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.
2. Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.
3. May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Item 3. Program Requirements

Major requirements: Apprenticeship Carpentry, Acoustical Installer, AS

Course Code	Course Title	Credits
CRP 461A	Acoustical Ceilings	1.5
CRP 462	Standard Acoustical Grids	1.5
CRP 463	Suspended Ceilings	1.5
CRP 464	Acoustical Soffits	1.5
CRP 466	Concealed/Glue-Up/Staple-Up Systems	1.5
CRP 467	Designer and Specialty Trims	1.5
CRP 468	Metal Pan and Security Systems	1.5
CRP 471A	Orientation	2
CRP 471B	Safety and Health Certifications	2
CRP 471C	Tool/Equipment Applications	1.5
CRP 474A	Print Reading	2
CRP 479A	Drywall and Acoustical Ceilings	1.5
	Total Credits	19.5

Select four (4) courses from the following:

Course Code	Course Title	Credits
CRP 461B	Advanced Acoustical Ceiling Layout	1.5
CRP 461C	Advanced Acoustical Ceiling Installation	1.5
CRP 465	Prefab/Sound Panels	1.5
CRP 472A	Basic Metal Framing	1.5
CRP 473C	Framing Curves and Arches	1.5
CRP 474B	Advanced Print Reading	2
CRP 483	Door and Door Frames	1.5
Total Credits		11

A.S. Degree Major

	Credits
Major requirements:	19.5
CRP 461A - Acoustical Ceilings	1.5
AND	
CRP 462 - Standard Acoustical Grids	1.5
AND	
CRP 463 - Suspended Ceilings	1.5
AND	
CRP 464 - Acoustical Soffits	1.5
AND	
CRP 466 - Concealed/Glue-Up/Staple-Up Systems	1.5
AND	
CRP 467 - Designer and Specialty Trims	1.5
AND	
CRP 468 - Metal Pan and Security Systems	1.5
AND	
CRP 471A - Orientation	2
AND	
CRP 471B - Safety and Health Certifications	2
AND	
CRP 471C - Tool/Equipment Applications	1.5
AND	
CRP 474A - Print Reading	2
AND	
CRP 479A - Drywall/Acoustical Ceilings	1.5
Select four (4) courses from the following:	6 - 6.5
CRP 461B - Advanced Acoustical Ceiling Layout	1.5

OR		
CRP 461C - Advanced Acoustical Ceiling Installation		1.5
OR		
CRP 465 - Prefab/Sound Panels		1.5
OR		
CRP 472A - Basic Metal Framing		1.5
OR		
CRP 473C - Framing Curves and Arches		1.5
OR		
CRP 474B - Advanced Print Reading		2
OR		
CRP 483 - Door/Door Frames		1.5
	Total Credits	25.5 - 26

Item 4. Master Planning

Riverside Community College District is dedicated to the success of its students and to the development of the communities it serves. By facilitating its Colleges and learning centers to provide educational and student services, it meets the needs and expectations of its unique communities of learners. The District provides the Colleges with leadership in the areas of advocacy, resource stewardship, and planning.

Norco Community College inspires a diverse student body by an inclusive innovative approach to learning its pathways to transfer, professional, career and technical education, certificates, and degrees. We are proud to be a pivotal hub for scholarship, arts and culture, dynamic technologies, and partnerships. Norco Community College encourages self-empowerment and is dedicated to transforming the lives of our students, employees, and community.

Item 5. Enrollment and Completer Projections

20-25 enrollments and 10-20 each year.

Item 6. Place of Program in Curriculum/Similar Programs

Other certificate in the Carpentry program include:

Apprenticeship Carpentry, Acoustical Installer, AS
 Apprenticeship Carpentry, Acoustical Installer, CA

Apprenticeship Carpentry, Concrete, AS
 Apprenticeship Carpentry, Concrete, CA

Apprenticeship Carpentry, Drywall/Lather, AS
 Apprenticeship Carpentry, Drywall/Lather, CA

Apprenticeship Carpentry, Drywall Finisher, AS
Apprenticeship Carpentry, Drywall Finisher, CA

Apprenticeship Carpentry, Finish Carpentry, AS
Apprenticeship Carpentry, Finish Carpentry, CA

Apprenticeship Carpentry, Framing, AS
Apprenticeship Carpentry, Framing, CA

Apprenticeship Carpentry, Insulator, AS
Apprenticeship Carpentry, Insulator, CA

Apprenticeship Carpentry, Millwrighting, AS
Apprenticeship Carpentry, Millwrighting, CA

Apprenticeship Carpentry, Pile Driver, AS
Apprenticeship Carpentry, Pile Driver, CA

Apprenticeship Carpentry, Plastering, AS
Apprenticeship Carpentry, Plastering, CA

Apprenticeship Carpentry, Tilt-Up, AS
Apprenticeship Carpentry, Tilt-Up, CA

Item 7. Similar Programs at Other Colleges in Service Area

Santiago Canyon College and Southwest Carpenters Training Fund both have Apprenticeship Carpentry, Acoustical Installer, AS programming certificates.

Item 8. Transfer Preparation Information (if applicable)

Not Applicable

Program Outline of Record – Credit or Non-Credit Apprenticeships

Program Outline

Title: Apprenticeship Carpentry, Concrete, AS

Originator: Dr. Anthony E. Farmand, PhD, PE

Date Click or tap to enter a date.

Department: BEIT

College: Moreno Valley College Norco College Riverside City College

(Please note: Apprenticeships are college specific. If multiple colleges wish to adopt this apprenticeship, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0952.10

CIP Code: 46.0201

Credit Type: Credit apprenticeship

Non-credit apprenticeship

This is a: New apprenticeship

Modification to an existing apprenticeship

If this is a modification to an existing apprenticeship, please specify the changes being made:

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

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 2022.

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 program submissions must include the following:

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- Department minutes showing approval
- Narrative *(see following page)*
- Labor Market Information and Analysis *(required for new apprenticeships and modifications)*
- Approval letter from the California Division of Apprenticeship Standards (DAS) *(required for new apprenticeships and modifications. The approval documentation must list the specific campus approved.)*

Program Narrative

Item 1. Program Goals and Objectives

To provide related and supplemental instruction for students who are apprentices through Norco Community College; to allow apprentices to earn college credit for their related and supplemental instruction; to prepare apprentices for journey-level work in the acoustical tile field; to meet the needs of apprentices and employers.

Item 2. Catalog Description

The Associate of Science (AS) degree in Apprenticeship Carpentry, Acoustical Installer provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

Program Learning Outcome

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

1. Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.
2. Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.
3. May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Item 3. Program Requirements

Major requirements: Apprenticeship Carpentry, Concrete, AS

Course Code	Course Title	Credits
CRP 404C	Print Reading - Symbols	2
CRP 421A	Orientation – Hand Tools Safety	2
CRP 421B	Safety and Health Certifications – Hand & Power Tools Applications	2
CRP 421E	Tool/Equipment Applications – Emergency Response Procedures	1.5
CRP 425A	Foundations and Flatwork	1.5
CRP 426A	Tilt-Up Panel Construction	1.5
CRP 426B	Wall Forming	1.5
CRP 426C	Gang Forms/Columns	1.5
CRP 426D	Abutments	1.5

Program Outline of Record – Credit or Non-Credit Apprenticeships

CRP 427C	Beam and Deck Forming	1.5
CRP 427D	Stairs and Ramp Forming	1.5
CRP 428A	Bridge Construction	1.5
	Total Credits	19.5

Select four (4) courses from the following:

Course Code	Course Title	Credits
CRP 421C	Basic Wall Framing	1.5
CRP 422A	Commercial Floor Framing	1.5
CRP 423B	Basic Roof Framing	1.5
CRP 424A	Basic Commercial Framing	1.5
CRP 424D	Transit Level/Laser	2
CRP 425D	Advanced Print Reading - Digital Planning	2
CRP 428E	Bridge Falsework	1.5
CRP 429A	Rigging	1.5
CRP 429C	Solar Installer Level 1	1.5
CRP 495	Water Treatment Facilities	1.5
	Total Credits	16

A.S. Degree Major **Credits**
Major requirements: **19.5**

CRP 404C - Print Reading - Symbols 2

AND

CRP 421A - Orientation – Hand Tools Safety 2

AND

CRP 421B - Safety and Health Certifications –
Hand & Power Tools Applications 2

AND

CRP 421E - Tool/Equipment Applications –
Emergency Response Procedures 1.5

AND

CRP 425A - Foundations and Flatwork 1.5

AND

CRP 426A - Tilt-Up Panel Construction 1.5

AND

CRP 426B - Wall Forming 1.5

AND

CRP 426C - Gang Forms/Columns	1.5
AND	
CRP 426D - Abutments	1.5
AND	
CRP 427C - Beam and Deck Forming	1.5
AND	
CRP 427D - Stairs and Ramp Forming	1.5
AND	
CRP428A - Bridge Construction	1.5
Select four (4) courses from the following:	
CRP 421C - Basic Wall Framing	1.5
OR	
CRP 422A - Commercial Floor Framing	1.5
OR	
CRP 423B - Basic Roof Framing	1.5
OR	
CRP 424A - Basic Commercial Framing	1.5
OR	
CRP 424D - Transit Level/Laser	2
OR	
CRP 425D - Advanced Print Reading – Digital Planning	2
OR	
CRP 428E - Bridge Falsework	1.5
OR	
CRP 429A - Rigging	1.5
OR	
CRP 429C - Solar Installer Level 1	1.5
OR	
CRP 495 - Water Treatment Facilities	1.5
Total Credits	25.5-26.5

Item 4. Master Planning

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Item 5. Enrollment and Completer Projections

20-25 enrollments and 10-20 each year.

Item 6. Place of Program in Curriculum/Similar Programs

Other certificate in the Carpentry program include:

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Apprenticeship Carpentry, Acoustical Installer, CA

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Apprenticeship Carpentry, Concrete, CA

Apprenticeship Carpentry, Drywall/Lather, AS
Apprenticeship Carpentry, Drywall/Lather, CA

Apprenticeship Carpentry, Drywall Finisher, AS
Apprenticeship Carpentry, Drywall Finisher, CA

Apprenticeship Carpentry, Finish Carpentry, AS
Apprenticeship Carpentry, Finish Carpentry, CA

Apprenticeship Carpentry, Framing, AS
Apprenticeship Carpentry, Framing, CA

Apprenticeship Carpentry, Insulator, AS
Apprenticeship Carpentry, Insulator, CA

Apprenticeship Carpentry, Millwrighting, AS
Apprenticeship Carpentry, Millwrighting, CA

Apprenticeship Carpentry, Pile Driver, AS

Apprenticeship Carpentry, Pile Driver, CA

Apprenticeship Carpentry, Plastering, AS

Apprenticeship Carpentry, Plastering, CA

Apprenticeship Carpentry, Tilt-Up, AS

Apprenticeship Carpentry, Tilt-Up, CA

Item 7. Similar Programs at Other Colleges in Service Area

Santiago Canyon College and Southwest Carpenters Training Fund both have Apprenticeship Carpentry, Acoustical Installer, AS programming certificates.

Item 8. Transfer Preparation Information (if applicable)

Not Applicable

Program Outline

Title: Apprenticeship Carpentry, Drywall Finisher, AS

Originator: Dr. Anthony E. Farmand, PhD, PE

Date Click or tap to enter a date.

Department: BEIT

College: Moreno Valley College Norco College Riverside City College

(Please note: Apprenticeships are college specific. If multiple colleges wish to adopt this apprenticeship, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0952.80

CIP Code: 46.0201

Credit Type: Credit apprenticeship

Non-credit apprenticeship

This is a: New apprenticeship

Modification to an existing apprenticeship

If this is a modification to an existing apprenticeship, please specify the changes being made:

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

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 2022.

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Program Narrative

Item 1. Program Goals and Objectives

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2. Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.
3. May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Item 3. Program requirements

Major requirements: Apprenticeship Carpentry, Drywall Finisher, AS

Course Code	Course Title	Credits
CRP 471A	Orientation – Power Tools Safety	2
CRP 471B	Safety and Health Certifications - Scaffold	2
CRP 472A	Basic Metal Framing	1.5
CRP 474A	Print Reading - Specifications	2
CRP 476A	Basic Hand Finishing	1.5
CRP 476B	Automatic Finishing Tools	1.5
CRP 477A	Drywall Installation/Finish Trims	1.5
CRP 477B	Advanced Hand Finishing	1.5
CRP 477C	Advanced Automatic Finishing Tools	1.5
CRP 478B	Advanced Metal Framing	1.5
CRP 478C	Wet Wall Finishes	1.5
CRP 478D	Ceiling and Soffit Finishing	1.5
CRP 479A	Drywall and Acoustical Ceilings	1.5

CRP 482B	S/B Firestop/Fireproofing Procedures	1.5
CRP 482C	Decorative Trims and Textures	1.5
	Total Credits	24
A.S. Degree Major		
Rule		Credits
<hr/>		
Major requirements:		24
CRP 471A – Orientation – Power Tools Safety		2
AND		
CRP 471B - Safety and Health Certifications - Scaffold		2
AND		
CRP 472A - Basic Metal Framing		1.5
AND		
CRP 474A - Print Reading – Specifications		2
AND		
CRP 476A - Basic Hand Finishing		1.5
AND		
CRP 476B - Automatic Finishing Tools		1.5
AND		
CRP 477A - Drywall Installation/Finish Trims		1.5
AND		
CRP 477B - Advanced Hand Finishing		1.5
AND		
CRP 477C - Advanced Automatic Finishing Tools		1.5
AND		
CRP 478B - Advanced Metal Framing		1.5
AND		
CRP 478C - Wet Wall Finishes		1.5
AND		
CRP 478D - Ceiling and Soffit Finishing		1.5
AND		
CRP 479A - Drywall and Acoustical Ceilings		1.5
AND		
CRP 482B - S/B Firestop/Fireproofing Procedures		1.5
AND		
CRP 482C - Decorative Trims and Textures		1.5

	Total Credits	24
A.S. Degree Major		
Rule		Credits
Major requirements:		24
CRP 471A - Orientation		2
AND		
CRP 471B - Safety and Health Certifications		2
AND		
CRP 472A - Basic Metal Framing		1.5
AND		
CRP 474A - Print Reading		2
AND		
CRP 476A - Basic Hand Finishing		1.5
AND		
CRP 476B - Automatic Finishing Tools		1.5
AND		
CRP 477A - Drywall Installation/Finish Trims		1.5
AND		
CRP 477B - Advanced Hand Finishing		1.5
AND		
CRP 477C - Advanced Automatic Finishing Tools		1.5
AND		
CRP478B - Advanced Metal Framing		1.5
AND		
CRP 478C - Wet Wall Finishes		1.5
AND		
CRP 478D - Ceiling and Soffit Finishing		1.5
AND		
CRP 479A - Drywall and Acoustical Ceilings		1.5
AND		
CRP 482B - S/B Firestop/Fireproofing Procedures		1.5
AND		
CRP 482C - Decorative Trims and Textures		1.5
	Total Credits	24

Item 4. Master Planning

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Item 5. Enrollment and Completer Projections

20-25 enrollments and 10-20 each year.

Item 6. Place of Program in Curriculum/Similar Programs

Other certificate in the Carpentry program include:

Apprenticeship Carpentry, Acoustical Installer, AS
Apprenticeship Carpentry, Acoustical Installer, CA

Apprenticeship Carpentry, Concrete, AS
Apprenticeship Carpentry, Concrete, CA

Apprenticeship Carpentry, Drywall/Lather, AS
Apprenticeship Carpentry, Drywall/Lather, CA

Apprenticeship Carpentry, Drywall Finisher, AS
Apprenticeship Carpentry, Drywall Finisher, CA

Apprenticeship Carpentry, Finish Carpentry, AS
Apprenticeship Carpentry, Finish Carpentry, CA

Apprenticeship Carpentry, Framing, AS
Apprenticeship Carpentry, Framing, CA

Apprenticeship Carpentry, Insulator, AS
Apprenticeship Carpentry, Insulator, CA

Apprenticeship Carpentry, Millwrighting, AS
Apprenticeship Carpentry, Millwrighting, CA

Apprenticeship Carpentry, Pile Driver, AS

Apprenticeship Carpentry, Pile Driver, CA

Apprenticeship Carpentry, Plastering, AS

Apprenticeship Carpentry, Plastering, CA

Apprenticeship Carpentry, Tilt-Up, AS

Apprenticeship Carpentry, Tilt-Up, CA

Item 7. Similar Programs at Other Colleges in Service Area

Santiago Canyon College and Southwest Carpenters Training Fund both have Apprenticeship Carpentry, Acoustical Installer, AS programming certificates.

Item 8. Transfer Preparation Information (if applicable)

Not Applicable

Program Outline

Title: Apprenticeship Carpentry, Drywall/Lather, AS

Originator: Dr. Anthony E. Farmand, PhD, PE

Date Click or tap to enter a date.

Department: BEIT

College: Moreno Valley College Norco College Riverside City College

(Please note: Apprenticeships are college specific. If multiple colleges wish to adopt this apprenticeship, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0952.80

CIP Code: 46.0201

Credit Type: Credit apprenticeship

Non-credit apprenticeship

This is a: New apprenticeship

Modification to an existing apprenticeship

If this is a modification to an existing apprenticeship, please specify the changes being made:

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

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 2022.

Required Documentation

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- Department minutes showing approval
- Narrative *(see following page)*
- Labor Market Information and Analysis *(required for new apprenticeships and modifications)*
- Approval letter from the California Division of Apprenticeship Standards (DAS) *(required for new apprenticeships and modifications. The approval documentation must list the specific campus approved.)*

Program Narrative

Item 1. Program Goals and Objectives

To provide related and supplemental instruction for students who are apprentices through Norco Community College; to allow apprentices to earn college credit for their related and supplemental instruction; to prepare apprentices for journey-level work in the acoustical tile field; to meet the needs of apprentices and employers.

Item 2. Catalog Description

The Associate of Science (AS) degree in Apprenticeship Carpentry, Acoustical Installer provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

Program Learning Outcome

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

1. Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.
2. Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.
3. May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Item 3. Program Requirements

Major requirements: Apprenticeship Carpentry, Drywall/Lather, AS

Course Code	Course Title	Credits
CRP 471A	Orientation – Power Tools Safety	2
CRP 471B	Safety and Health Certifications - Scaffold	2
CRP 471C	Tool/Equipment Applications – Fall Protection	1.5
CRP 472A	Basic Metal Framing	1.5
CRP 472B	Basic Lathing	1.5
CRP 473A	Framing Ceilings and Soffits	1.5
CRP 473B	Framing Suspended Ceilings	1.5
CRP 473C	Framing Curves and Arches	1.5
CRP 474A	Print Reading - Specifications	2
CRP 474B	Advanced Print Reading – Digital Applications	2
CRP 475A	Light Gage Welding AWS - A	1.5

Program Outline of Record – Credit or Non-Credit Apprenticeships

CRP 483	Door and Door Frames (Layout and Frame)	1.5
	Total Credits	20

Select six (6) units from the following:

Course Code	Course Title	Credits
CRP 472C	Advanced Lathing	1.5
CRP 474C	Air, Moisture, and Thermal Barriers	1.5
CPR 475B	Light Gage Welding LAC	1.5
CRP 475C	Light Gage Welding AWS - B	1.5
CRP 476A	Basic Hand Finishing	1.5
CRP 476B	Automatic Finishing Tools	1.5
CRP 477A	Drywall Installation/Finish Trims	1.5
CRP 477B	Advanced Hand Finishing	1.5
CRP 477C	Advanced Automatic Finishing Tools	1.5
CRP 478B	Advanced Metal Framing	1.5
CRP 478C	Wet Wall Finishes	1.5
CRP 478D	Ceiling and Soffit Finishing	1.5
CRP 479A	Drywall and Acoustical Ceilings	1.5
CRP 479C	Drywall Applications – Production Drywall Hanging	1.5
CRP 482B	S/B Firestop/Fireproofing Procedures	1.5
CRP 482C	Decorative Trims and Textures	1.5
CRP 489	Freeform Lathing	1.5
	Total Credits	25.5

A.S. Degree Major

Rule	Credits
Major requirements:	20
CRP 471A – Orientation – Power Tools Safety	2
AND	
CRP 471B - Safety and Health Certifications - Scaffold	2
AND	
CRP 471C - Tool/Equipment Applications – Fall Protection	1.5
AND	
CRP 472A - Basic Metal Framing	1.5
AND	
CRP 472B - Basic Lathing	1.5

AND	
CRP 473A - Framing Ceilings and Soffits	1.5
AND	
CRP 473B - Framing Suspended Ceilings	1.5
AND	
CRP 473C - Framing Curves and Arches	1.5
AND	
CRP 474A - Print Reading – Specifications	2
AND	
CRP 474B - Advanced Print Reading – Digital Applications	2
AND	
CRP 475A - Light Gage Welding AWS - A	1.5
AND	
CRP 483 - Door/Door Frames	1.5
<hr/>	
Select six (6) units from the following:	6
CRP 472C - Advanced Lathing	1.5
AND	
CRP 474C - Air, Moisture, and Thermal Barriers	1.5
AND	
CRP 475B - Light Gage Welding LAC	1.5
AND	
CRP 477C - Advanced Automatic Finishing Tool	1.5
AND	
CRP 478B - Advanced Metal Framing	1.5
AND	
CRP 478C - Wet Wall Finishes	1.5
AND	
CRP 478D - Ceiling and Soffit Finishing	1.5
AND	
CRP 479A - Drywall and Acoustical Ceilings	1.5
AND	
CRP 479C - Drywall Applications	1.5

AND		
CRP 482B - S/B Firestop/Fireproofing Procedures		1.5
AND		
CRP 482C - Decorative Trims and Textures		1.5
AND		
CRP 489 - Freeform Lathing		1.5
	Total Credits	26

Item 4. Master Planning

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Item 5. Enrollment and Completer Projections

20-25 enrollments and 10-20 each year.

Item 6. Place of Program in Curriculum/Similar Programs

Other certificate in the Carpentry program include:

Apprenticeship Carpentry, Acoustical Installer, AS
 Apprenticeship Carpentry, Acoustical Installer, CA

Apprenticeship Carpentry, Concrete, AS
 Apprenticeship Carpentry, Concrete, CA

Apprenticeship Carpentry, Drywall/Lather, AS
 Apprenticeship Carpentry, Drywall/Lather, CA

Apprenticeship Carpentry, Drywall Finisher, AS
 Apprenticeship Carpentry, Drywall Finisher, CA

Apprenticeship Carpentry, Finish Carpentry, AS
 Apprenticeship Carpentry, Finish Carpentry, CA

Apprenticeship Carpentry, Framing, AS
Apprenticeship Carpentry, Framing, CA

Apprenticeship Carpentry, Insulator, AS
Apprenticeship Carpentry, Insulator, CA

Apprenticeship Carpentry, Millwrighting, AS
Apprenticeship Carpentry, Millwrighting, CA

Apprenticeship Carpentry, Pile Driver, AS
Apprenticeship Carpentry, Pile Driver, CA

Apprenticeship Carpentry, Plastering, AS
Apprenticeship Carpentry, Plastering, CA

Apprenticeship Carpentry, Tilt-Up, AS
Apprenticeship Carpentry, Tilt-Up, CA

Item 7. Similar Programs at Other Colleges in Service Area

Santiago Canyon College and Southwest Carpenters Training Fund both have Apprenticeship Carpentry, Acoustical Installer, AS programming certificates.

Item 8. Transfer Preparation Information (if applicable)

Not Applicable

Program Outline

Title: Apprenticeship Carpentry, Finish Carpentry, AS

Originator: Dr. Anthony E. Farmand, PhD, PE

Date Click or tap to enter a date.

Department: BEIT

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

TOPs Code: 0952.10

CIP Code: 46.0201

Credit Type: Credit apprenticeship Non-credit apprenticeship

This is a: New apprenticeship Modification to an existing apprenticeship

If this is a modification to an existing apprenticeship, please specify the changes being made:
(Please be specific! Indicate any changes such as title, learning outcomes, course changes, unit values, etc.)

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 2022.

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Program Narrative

Item 1. Program Goals and Objectives

To provide related and supplemental instruction for students who are apprentices through Norco Community College; to allow apprentices to earn college credit for their related and supplemental instruction; to prepare apprentices for journey-level work in the acoustical tile field; to meet the needs of apprentices and employers.

Item 2. Catalog Description

The Associate of Science (AS) degree in Apprenticeship Carpentry, Acoustical Installer provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

Program Learning Outcome

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

1. Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.
2. Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.
3. May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Item 3. Program Requirements

Major requirements: Apprenticeship Carpentry, Finish Carpentry, AS

Course Code	Course Title	Credits
CRP 404C	Print Reading - Symbols	2
CRP 421A	Orientation – Hand Tools Safety Safety and Health Certifications	2
CRP 421B	– Hand & Power Tools Applications	2
CRP 421C	Basic Wall Framing	1.5
CRP 424D	Transit Level/Laser	2
CRP 425D	Advanced Print Reading – Digital Planning	2
CRP 433A	Cabinet Millwork and Assembly	1.5
CRP 433B	Cabinet Installation	1.5
CRP 433C	Show Case and Loose Store Fixtures	1.5
CRP 433D	Molding and Trims	1.5
CRP 434A	Plastic Laminates	1.5
CRP 434B	Solid and Stone Surfaces	1.5

CRP 434C	Stair Trim	1.5
CRP 434D	Doors and Door Hardware	1.5
CRP 435C	Exit and Electrical Security Devices	1.5

Total Credits 25

A.S. Degree Major

Rule Credits

Major requirements: 25

CRP 404C - Print Reading - Symbols 2

AND

CRP 421A – Orientation – Hand Tools Safety 2

AND

CRP 421B - Safety and Health Certifications 2

AND

CRP 421C - Basic Wall Framing 1.5

AND

CRP 424D - Transit Level/Laser 2

AND

CRP 425D - Advanced Print Reading 2

AND

CRP 433A - Cabinet Millwork and Assembly 1.5

AND

CRP 433B - Cabinet Installation 1.5

AND

CRP 433C - Show Case/Loose Store Fixtures 1.5

AND

CRP 433D - Molding and Trims 1.5

AND

CRP 434A - Plastic Laminates 1.5

AND

CRP 434B - Solid and Stone Surfaces 1.5

AND

CRP 434C - Stair Trim 1.5

AND

CRP 434D - Doors and Door Hardware 1.5

AND

CRP 435C - Exit and Electrical Security Devices 1.5

Total Credits 25

Item 4. Master Planning

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Item 5. Enrollment and Completer Projections

20-25 enrollments and 10-20 each year.

Item 6. Place of Program in Curriculum/Similar Programs

Other certificate in the Carpentry program include:

Apprenticeship Carpentry, Acoustical Installer, AS
Apprenticeship Carpentry, Acoustical Installer, CA

Apprenticeship Carpentry, Concrete, AS
Apprenticeship Carpentry, Concrete, CA

Apprenticeship Carpentry, Drywall/Lather, AS
Apprenticeship Carpentry, Drywall/Lather, CA

Apprenticeship Carpentry, Drywall Finisher, AS
Apprenticeship Carpentry, Drywall Finisher, CA

Apprenticeship Carpentry, Finish Carpentry, AS
Apprenticeship Carpentry, Finish Carpentry, CA

Apprenticeship Carpentry, Framing, AS
Apprenticeship Carpentry, Framing, CA

Apprenticeship Carpentry, Insulator, AS
Apprenticeship Carpentry, Insulator, CA

Apprenticeship Carpentry, Millwrighting, AS
Apprenticeship Carpentry, Millwrighting, CA

Apprenticeship Carpentry, Pile Driver, AS
Apprenticeship Carpentry, Pile Driver, CA

Apprenticeship Carpentry, Plastering, AS
Apprenticeship Carpentry, Plastering, CA

Apprenticeship Carpentry, Tilt-Up, AS
Apprenticeship Carpentry, Tilt-Up, CA

Item 7. Similar Programs at Other Colleges in Service Area

Santiago Canyon College and Southwest Carpenters Training Fund both have Apprenticeship Carpentry, Acoustical Installer, AS programming certificates.

Item 8. Transfer Preparation Information (if applicable)

Not Applicable

Program Outline

Title: Apprenticeship Carpentry, Framing, AS

Originator: Dr. Anthony E. Farmand, PhD, PE

Date Click or tap to enter a date.

Department: BEIT

College: Moreno Valley College Norco College Riverside City College

(Please note: Apprenticeships are college specific. If multiple colleges wish to adopt this apprenticeship, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0952.10

CIP Code: 46.0201

Credit Type: Credit apprenticeship

Non-credit apprenticeship

This is a: New apprenticeship

Modification to an existing apprenticeship

If this is a modification to an existing apprenticeship, please specify the changes being made:

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

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 2022.

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Program Narrative

Item 1. Program Goals and Objectives

To provide related and supplemental instruction for students who are apprentices through Norco Community College; to allow apprentices to earn college credit for their related and supplemental instruction; to prepare apprentices for journey-level work in the acoustical tile field; to meet the needs of apprentices and employers.

Item 2. Catalog Description

The Associate of Science (AS) degree in Apprenticeship Carpentry, Acoustical Installer provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

Program Learning Outcome

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

1. Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.
2. Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.
3. May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Item 3. Program Requirements

Major requirements: Apprenticeship Carpentry, Framing, AS

Course Code	Course Title	Credits
CRP 404C	Print Reading - Symbols	2
CRP 421A	Orientation – Hand Tolls Safety	2
CRP 421B	Safety and Health Certifications – Hand & Power Tools Applications	2
CRP 421C	Basic Wall Framing	1.5
CRP 421E	Tool/Equipment Applications – Emergency Response Procedure	1.5
CRP 422A	Commercial Floor Framing	1.5
CRP 422B	Basic Stairs	1.5
CRP 422D	Exterior Finish Details	1.5
CRP 423B	Basic Roof Framing	1.5
CRP 424A	Basic Commercial Framing	1.5
CRP 424B	Advanced Commercial Framing	1.5
CRP 425C	Advanced Stairs	1.5
	Total Credits	19.5

Select four (4) courses

from the following:

Course Code	Course Title	Credits
CRP 423C	Advanced Roof Framing	1.5
CRP 424C	Panelized Roofing	1.5
CRP 424D	Transit Level/Laser	2
CRP 425D	Advanced Print Reading	2
CRP 426B	Wall Forming	1.5
CRP 472A	Basic Metal Framing	1.5

A.S. Degree Major

Total Credits **10**

Rule **Credits**

Major requirements: 19.5

CRP 404C - Print Reading - Symbols 2

AND

CRP 421A – Orientation – Hand Tools Safety 2

AND

CRP 421B - Safety and Health Certifications – Hand & Power Tools Applications 2

AND

CRP 421C - Basic Wall Framing 1.5

AND

CRP 421E - Tool/Equipment Applications 1.5

AND

CRP 422A - Commercial Floor Framing 1.5

CRP 423C - Advanced Roof Framing 1.5

OR

CRP 424C - Panelized Roofing 1.5

OR

CRP 424D - Transit Level/Laser 2

OR

CRP 425D - Advanced Print Reading – Digital Planning 2

OR

CRP 426B - Wall Forming 1.5

OR

CRP 472A - Basic Metal Framing 1.5

Total Credits **25.5-26.5**

Item 4. Master Planning

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Other certificate in the Carpentry program include:

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Apprenticeship Carpentry, Acoustical Installer, CA

Apprenticeship Carpentry, Concrete, AS
Apprenticeship Carpentry, Concrete, CA

Apprenticeship Carpentry, Drywall/Lather, AS
Apprenticeship Carpentry, Drywall/Lather, CA

Apprenticeship Carpentry, Drywall Finisher, AS
Apprenticeship Carpentry, Drywall Finisher, CA

Apprenticeship Carpentry, Finish Carpentry, AS
Apprenticeship Carpentry, Finish Carpentry, CA

Apprenticeship Carpentry, Framing, AS
Apprenticeship Carpentry, Framing, CA

Apprenticeship Carpentry, Insulator, AS
Apprenticeship Carpentry, Insulator, CA

Apprenticeship Carpentry, Millwrighting, AS
Apprenticeship Carpentry, Millwrighting, CA

Apprenticeship Carpentry, Pile Driver, AS
Apprenticeship Carpentry, Pile Driver, CA

Apprenticeship Carpentry, Plastering, AS
Apprenticeship Carpentry, Plastering, CA

Apprenticeship Carpentry, Tilt-Up, AS
Apprenticeship Carpentry, Tilt-Up, CA

Item 7. Similar Programs at Other Colleges in Service Area

Santiago Canyon College and Southwest Carpenters Training Fund both have Apprenticeship Carpentry, Acoustical Installer, AS programming certificates.

Item 8. Transfer Preparation Information (if applicable)

Not Applicable

Program Outline

Title: Apprenticeship Carpentry, Tilt-Up, AS

Originator: Dr. Anthony E. Farmand, PhD, PE

Date Click or tap to enter a date.

Department: BEIT

College: Moreno Valley College Norco College Riverside City College

(Please note: Apprenticeships are college specific. If multiple colleges wish to adopt this apprenticeship, a separate proposal and college specific supporting documents are required.)

TOPs Code: 0952.10

CIP Code: 46.0201

Credit Type: Credit apprenticeship

Non-credit apprenticeship

This is a: New apprenticeship

Modification to an existing apprenticeship

If this is a modification to an existing apprenticeship, please specify the changes being made:

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

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Program Narrative

Item 1. Program Goals and Objectives

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Item 2. Catalog Description

The Associate of Science (AS) degree in Apprenticeship Carpentry, Acoustical Installer provides the required related and supplemental instruction for interior systems apprentices in the technical skills required in the trade. Successful completion may result in journey worker status.

Program Learning Outcome

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

1. Prepares individuals to apply technical knowledge and skills to layout, cut fabricate, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations, and roughing-in, finish carpentry techniques, and applicable codes and standards.
2. Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.
3. May also install cabinets, siding, drywall, and batt or roll insulation, includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

Item 3. Program Requirements

Major requirements: Apprenticeship Carpentry, Tilt-Up, AS

Course Code	Course Title	Credits
CRP 402B	Slabs/Interior-Exterior Footings	1.5
CRP 403A	Tilt-Up Introduction	1.5
CRP 404A	Lifting, and Bracing Safety – Lifting Awareness	1.5
CRP 405A	Wall-Column Forms/Cutting and Burning	1.5
CRP 405C	Specialized Forms and Rigging	1.5
CRP 421A	Orientation – Hand Tools Safety	2
CRP 421B	Safety and Health Certifications – Hand & Power Tolls Application	2
CRP 424D	Transit Level/Laser	2
CRP 427D	Stairs and Ramp Forming	1.5

Total Credits

Select six (6) units from the following: **15**

Course Code	Course Title	Credits
CRP 404B	Poured-in-Place Wall Forms	1.5
CRP 405B	Site Work/Curb and Gutter	1.5
CRP 421C	Basic Wall Framing	1.5
CRP 422A	Commercial Floor Framing	1.5
CRP 422E	Commercial Roof Framing	1.5
CRP 425A	Foundations and Flatwork	1.5
CRP 426B	Wall Forming	1.5
CRP 429A	Rigging	1.5
	Total Credits	12

A.S. Degree Major

Rule **Credits**

Major requirements: 15

CRP 402B - Slabs/Interior-Exterior Footings 1.5

AND

CRP 403A - Tilt-Up Introduction 1.5

AND

CRP 404A - Lifting, and Bracing Safety 1.5

AND

CRP 405A - Wall-Column Forms/Cutting and Burning 1.5

AND

CRP 405C - Specialized Forms and Rigging 1.5

AND

CRP 421A – Orientation – Hand Tools Safety 2

AND

CRP 421B - Safety and Health Certifications – Hand & Power Tools Application 2

AND

CRP 424D - Transit Level/Laser 2

AND

CRP 427D - Stairs and Ramp Forming 1.5

Select six (6) units from the following: 6

CRP 404B - Poured-in-Place Wall Forms 1.5

OR

CRP 405B - Site Work/Curb and Gutter 1.5

CRP 421C - Basic Wall Framing 1.5

OR	
CRP 422A - Commercial Floor Framing	
OR	
CRP 422E-Commrcial Roof Framing	1.5
OR	
CRP 425A - Foundations and Flatwork	1.5
OR	
CRP 426B - Wall Forming	1.5
OR	
CRP 429A - Rigging	
Total Credits	21

Item 4. Master Planning

Riverside Community College District is dedicated to the success of its students and to the development of the communities it serves. By facilitating its Colleges and learning centers to provide educational and student services, it meets the needs and expectations of its unique communities of learners. The District provides the Colleges with leadership in the areas of advocacy, resource stewardship, and planning.

Norco Community College inspires a diverse student body by an inclusive innovative approach to learning its pathways to transfer, professional, career and technical education, certificates, and degrees. We are proud to be a pivotal hub for scholarship, arts and culture, dynamic technologies, and partnerships. Norco Community College encourages self-empowerment and is dedicated to transforming the lives of our students, employees, and community.

Item 5. Enrollment and Completer Projections

20-25 enrollments and 10-20 each year.

Item 6. Place of Program in Curriculum/Similar Programs

Other certificate in the Carpentry program include:

Apprenticeship Carpentry, Acoustical Installer, AS
 Apprenticeship Carpentry, Acoustical Installer, CA

Apprenticeship Carpentry, Concrete, AS
 Apprenticeship Carpentry, Concrete, CA

Apprenticeship Carpentry, Drywall/Lather, AS
 Apprenticeship Carpentry, Drywall/Lather, CA

Apprenticeship Carpentry, Drywall Finisher, AS
 Apprenticeship Carpentry, Drywall Finisher, CA

Apprenticeship Carpentry, Finish Carpentry, AS

Apprenticeship Carpentry, Finish Carpentry, CA

Apprenticeship Carpentry, Framing, AS

Apprenticeship Carpentry, Framing, CA

Apprenticeship Carpentry, Insulator, AS

Apprenticeship Carpentry, Insulator, CA

Apprenticeship Carpentry, Millwrighting, AS

Apprenticeship Carpentry, Millwrighting, CA

Apprenticeship Carpentry, Pile Driver, AS

Apprenticeship Carpentry, Pile Driver, CA

Apprenticeship Carpentry, Plastering, AS

Apprenticeship Carpentry, Plastering, CA

Apprenticeship Carpentry, Tilt-Up, AS

Apprenticeship Carpentry, Tilt-Up, CA

Item 7. Similar Programs at Other Colleges in Service Area

Santiago Canyon College and Southwest Carpenters Training Fund both have Apprenticeship Carpentry, Acoustical Installer, AS programming certificates.

Item 8. Transfer Preparation Information (if applicable)

Not Applicable

Program Outline

Title: KINESIOLOGY

Originator: Tanya Brown
Department: Kinesiology

Date 9/20/2022

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: 1270.00

CIP Code: 31.0505

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:

Under the MOVEMENT BASED courses, there is a name change to our KIN A46 and A47 courses previously titled **Hatha** Yoga Beginning, and **Hatha** Yoga Intermediate.

The new course titles to be updated are: YOGA Beginning and YOGA Intermediate

Rationale:

We have updated the COR's for KIN A46 and A47 classes including the title of the class. The new course titles are: YOGA Beginning and YOGA Intermediate. We are requesting a modification to our program to reflect those changes.

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)*
- C-ID or Assist Articulation Information, and the most current TMC Template *(Work with your Articulation Officer to obtain this documentation)*

Program Narrative

Item 1. Program Goals and Objectives

The Associate in Arts in Kinesiology will stimulate learning and provide necessary skills for the different options of study in the practical field of kinesiology. After completion of the AA transfer degree, the students’ knowledge will be diverse in topics such as health and fitness, wellness, personal training, pedagogy, sport coaching, and pre- physical therapy. This degree will assist students in seamlessly transferring to a CSU.

Item 2. Catalog Description

The Associate in Arts in Kinesiology will stimulate learning and provide necessary skills for the different options of study in the practical field of kinesiology. After completion of the AA transfer degree, the students’ knowledge will be diverse in topics such as; health and fitness, wellness, personal training, pedagogy, sport coaching, and pre- physical therapy. This degree will assist students in seamlessly transferring to a CSU.

Required Courses for the AA Transfer degree (20-23 units)

Required Core Courses: (11 units)

KIN-10 Introduction to Kinesiology	3
BIO-50A Anatomy and Physiology I	4
BIO-50B Anatomy and Physiology II	4

Movement Based Courses (3 units): Select a maximum of one course from any three of the following areas (3 units).

Combative

KIN-A40 Karate, Beginning	1
KIN-A41 Karate, Intermediate	1

Dance

DAN-D19 Conditioning for Dance	1
DAN-D21 Ballet, Beginning	1
DAN-D31 Hip-Hop Dance	1
DAN-D32 Jazz, Beginning	1
DAN-D37 Modern Dance, Beginning	1

Fitness

KIN-A46 Yoga, Beginning	1
KIN A47 Yoga, Intermediate	1
KIN-A75A Walking for Fitness: Beginning	1
KIN A75B Walking for Fitness: Intermediate	1
KIN-A81A Cardio and Strength Training, Beginning	1
KIN A81B Cardio and Strength Training, Intermediate	1

KIN-A86 Step Aerobics	1
KIN-A87 Step Aerobics, Intermediate	1
KIN-A89A Beginning Body Sculpting	1
KIN-A89B Intermediate Body Sculpting	1

Team Sports

KIN-A64A Soccer, Beginning	1
KIN-A64B Soccer, Intermediate	1
KIN A62 Flag Football	1

List A: Select two courses from the following (6-9 units):

KIN-30 First Aid and CPR	3
MAT-12/12H Statistics/Honors Statistics	4
or	
PSY/SOC-48 Statistics for Behavioral Sciences	3
BIO-1/1H General Biology/Honors General Biology	4
CHE-1A/1AH General Chemistry, I/Honors General Chemistry, I	5
or	
PHY-4A Mechanics	4

ASSOCIATE IN [ARTS] FOR TRANSFER DEGREE

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

Program Outline

Title: Foundational Culinary Arts

Originator: David Avalos

Date 9/16/2021

Department:

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: 1306.30

CIP Code: 12.0500

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.)

We understand that all courses offered by Riverside City College must follow the Course Outline of Record (COR) on file and that the CORs are designed by faculty as the subject matter experts, then approved by Curriculum Committee, etc. Deviating from the COR risks our accreditation and skews the district reimbursement from the state. We realize these courses must be both scheduled and taught to meet the standards we have set.

After careful review of our current culinary SLO's, PLO's, the Culinary Program review" and faculty and student's responses, we feel the need to adjust the lecture and lab hours for Culinary 36, 37 & 38 that better reflect the actual learning and teaching time already listed in the COR's for each course. The previous time was inaccurate and arbitrary set by a previous director decades ago to 45 hours of lecture and 307 hours of lab. We just want to meet the standards we have set and accurately reflect what is truly happening in lecture and in the labs by setting the lecture hours to 66 and the lab hours to 284. This will also change our units to 8.5 from 8. After reviewing current materials for 36, 37 & 38, there are no revisions necessary. All skills and techniques are still current and relevant, including the textbook. Again, the rationale for the additional time is to merely reflect what is truly happening in lecture and in the labs because that information is already in the COR. Our goal is to meet the highest standards set by our industry.

In addition, if we change the units earned for the culinary classrooms, all programs that list those courses need to be changed as well; these include our Culinary Arts & Foundational Culinary Arts Certificate Programs. Culinary 36, 37 & 38 courses are tied to these programs.

Rationale:

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

To create a certificate program that includes Culinary 36, 37, & 38 only. We currently have an Associates degree / Certificate program with these courses, but it also requires Cul. 20 (Baking), Kin 4 and Mag 56. We wish to have a certificate program that only offers culinary 36, 37 & 38. The rationale for this is to address students desire to only pursue culinary arts and not the baking and management courses. We have found that some students will take the first 3 courses, but not Cul. 20, Kin 4 and Mag 56 and therefore, forgo their certificate. We still feel the need to offer Cul. 20, Kin 4 and Mag 56, which explains the rationale for having both programs.

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

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

This program prepares individuals to provide professional chefs and related hospitality services in restaurants and other commercial food establishments. This includes instruction in recipe and menu planning, preparing and cooking foods, supervising and training kitchen assistance, the management of food supplies and kitchen resources, including cost and inventory controls, aesthetics of food preparation and presentation, as well as training in a wide variety of cuisines and culinary techniques.

Item 2. Catalog Description

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

This program prepares individuals to provide professional chefs and related hospitality services in restaurants and other commercial food establishments. This includes instruction in recipe and menu planning, preparing and cooking foods, supervising and training kitchen assistance, the management of food supplies and kitchen resources, including cost and inventory controls, aesthetics of food preparation and presentation, as well as training in a wide variety of cuisines and culinary techniques.

- Demonstrate learned customer service, wait staffing and point of sale system knowledge in a working dining room setting.
- Employ proper safety and sanitation principles to the receiving, storage, preparation, and service of food.
- Formulate menus utilizing menu design techniques, conversion of written recipes, and calculations of food costing and menu pricing.
- Demonstrate practical and theoretical knowledge of classical and contemporary cooking methods for both hot food and baking/pastry arts.
- Demonstrate practical knowledge of classical knife cuts. Apply learned cooking methods to international cuisines.
- Demonstrate proficiency in piping skills, mold usage, plate presentation, and other artistic techniques used in the garde manger kitchen as well as hot food, cold food, and pastry presentation.

Item 3. Program Requirements

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

Required Courses: 25.5 units

Course	Title	Units	Sequencing
CUL 36	Introduction to Culinary Arts	8.5	Semester 1, Winter, Spring, Fall

CUL 37	Intermediate Culinary Arts	8.5	Semester 2 , Winter, Spring, Fall
CUL 38	Advanced Culinary Arts	8.5	Semester 3, Winter, Spring, Fall

Elective Courses: _____ units

Course	Title	Units	Sequencing

Total Program Units: 25.5 units

Item 4. Master Planning

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

Culinary is a current program in the RCC curriculum. No additional resources are needed for this modification.

Item 5. Enrollment and Completer Projections

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

It is projected that 75 students complete this program annually.

Item 6. Place of Program in Curriculum/Similar Programs

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

Culinary is a current program in the RCC curriculum.

Item 7. Similar Programs at Other Colleges in Service Area

Justification of need for certificate/degree in the region.

Mt. San Jacinto

Item 8. Transfer Preparation Information (if applicable)

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

N/A

Program Outline

Title: Sustainability in Science and Technology

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

TOPs Code: 0301.00 **CIP Code:** 030104

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 (IGETC only)

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

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

The catalog description is being changed to reflect that the B.S. degree at UCR is no longer available. However, other 4-year institutions such as UCI do have an appropriate transfer degree.

Rationale: In accordance with RCCD Board Policy 5775 item 6 (“Encouragement of curriculum in environmental sustainability”), and District Strategic Plan 2019-24 Objective 6.1 (“Establish and expand relationships with regional educational institutions”), an Associate of Science degree in Sustainability is proposed at RCC. A survey of local schools found that while many universities offer higher degrees in Sustainability, no Associate Degree programs appear to be available in our area to prepare students for transfer. The degree is designed to fulfill IGETC requirements as well as basic requirements for the University of California, Riverside B.S. in Environment and Sustainability Studies and for Sustainability degrees at other institutions of higher education. While the courses will ensure that RCC students are well-prepared to transfer and complete a Sustainability degree at any university, courses were specifically chosen to create a smooth and efficient pipeline for Sustainability students to UCR, since this is where many of our students will choose to transfer. RCC faculty communicated closely with UCR faculty during the mapping of this associate degree.

As was made clear by the recent Resolution of the Board of Governors, California Community Colleges (No. 2019-11), sustainability must be a priority for the CCCs and this includes the need to provide valuable education to our students. According to a recent report, the global green technology and sustainability market size is set to grow from \$11.2 billion in 2020 to \$36.6 billion by 2025. And, according to the U.S. Bureau of Labor Statistics, more than half of the growth in employment expected by 2026 will be in eco-friendly occupations. A Sustainability degree will help lead our students to a fulfilling job and a more stable future.

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

Required Documentation

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

All Degrees and Certificates

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

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

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

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

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

Program Narrative

Item 1. Program Goals and Objectives

The A.S. Sustainability degree is designed to provide a smooth transfer pathway to a B.S. degree in Sustainability Studies at a four-year institution. Examples of California institutions with degrees in Sustainability include USC, Cal Baptist, National University, CSU Fullerton, UC Davis, UC Berkeley, CSUSB, and CSUF.

According to a recent report, the global green technology and sustainability market size is set to grow from \$11.2 billion in 2020 to \$36.6 billion by 2025. And, according to the U.S. Bureau of Labor Statistics, more than half of the growth in employment expected by 2026 will be in eco-friendly occupations. Also, according to the Organization for Economic Cooperation and Development, as companies work to recover from the COVID-19 pandemic, many are focusing on “measures that can drive sustainability while boosting jobs, income and growth”.

Program Learning Outcomes:

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

- Define sustainability and identify major sustainability challenges
- Apply critical thinking skills, appropriate methodological and analytical tools, and diverse concepts of sustainable development to address sustainability challenges in a global context
- Demonstrate an understanding of complex relationships among ecological issues, economic growth, and social justice
- Demonstrate the ability to understand environmental changes, challenges, and solutions from a scientific perspective

Item 2. Catalog Description

The Associate of Science in Sustainability offers lower-division coursework that provides an introduction to issues, policies, and practices of sustainability, with an emphasis on a scientific perspective. Students will build a foundation appropriate for entry into advanced study in sustainability including public policy, environmental justice, scientific research, and interdisciplinary approaches to complex environmental issues.

This degree is designed to facilitate students transferring to a four-year institution with an Associate of Science Degree in Sustainability. With this degree, the student will be prepared to enter into a Sustainability Studies B.S. program. Such a degree will typically lead to careers in agriculture and food systems, ecological conservation and restoration, environmental research and consulting, environmental engineering, urban planning, and natural resource management.

Program Learning Outcomes:

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

- Define sustainability and identify major sustainability challenges
- Apply critical thinking skills, appropriate methodological and analytical tools, and diverse concepts of sustainable development to address sustainability challenges in a global context
- Demonstrate an understanding of complex relationships among ecological issues, economic growth, and social justice
- Demonstrate the ability to understand environmental changes, challenges, and solutions from a scientific perspective

Item 3. Program Requirements

Required Courses: 37 units

Course	Title	Units	Sequencing
BIO-19	Environmental Science	3	
BIO-60	Intro to Molecular and Cellular Bio	5	
BIO-61	Intro to Organismal and Population Bio	5	
ECO-5	Economics of the Environment	3	
MAT-12	Statistics	4	
OCE-1	Intro to Oceanography	3	
PHY-2A	General Physics I	4	
PHY-2B	General Physics II	4	
SOC-3	Social Inequality	3	
SOC-50	Intro to Social Research Methods	3	

Elective Courses: units

Course	Title	Units	Sequencing

Total Program Units: 37 units

Item 4. Master Planning

An associate degree in sustainability that establishes a smooth pipeline to a bachelor’s degree at UCR supports RCCD Board Policy 5775 item 6 (“Encouragement of curriculum in environmental sustainability”), and District Strategic Plan 2019-24 Objective 6.1 (“Establish and expand relationships with regional educational institutions”).

Additionally, with reference to RCC’s mission (“...The college strives to improve the social and economic mobility of its students and communities by being ready to meet students where they are, valuing and supporting each student in the successful attainment of their goals and promoting an inclusive, equity-focused environment.”), a degree in sustainability will prepare our students to enter jobs in the high-demand and expanding green economy. And, since one of the pillars of sustainability is social equity, students who pursue this major will learn about, participate in, and promote equity-focused solutions to environmental issues on our campus, in our community, and in the broader world.

Item 5. Enrollment and Completer Projections

The Sustainability Studies major at UCR has shown incredible growth, starting with 12 students in 2015 and expanding to more than 100 students per year in recent years. We expect a similar trend at RCC, with an estimated 5-10 majors during the first year and at least 2% growth annually as the program becomes more well-known.

Item 6. Place of Program in Curriculum/Similar Programs

This will be the first degree on the RCC campus that takes an interdisciplinary approach to environmental issues. There is currently a degree in Environmental Science offered through the Life Sciences department. While that degree emphasizes the study of local environmental issues through biology, chemistry, physics, and other sciences, a degree in sustainability will add a more global perspective and a focus on things like economics, social equity, business, communication, health, etc.

Item 7. Similar Programs at Other Colleges in Service Area

There is clear need for an Associate Degree program in Sustainability in our region. Despite the fact that many universities offer higher degrees in Sustainability (including UCR, USC, Cal Baptist, National University, CSU Fullerton, UC Davis, UC Berkeley, CSUSB, and CSUF), there is very little offered at the community college level that would specifically prepare students for those programs. In a survey of local community college offerings, the following programs were noted:

Irvine Valley College – Sustainability and Resource Management (certificate only – no associate degree offered)

Mira Costa College – associate degrees in Sustainable Agriculture or Sustainable Landscape only

Saddleback College - “Occupational Skills Award” (no associate degree offered)

Item 8. Transfer Preparation Information (if applicable)

The A.S. in Sustainability is designed to prepare students to transfer into the B.S. program in Environment and Sustainability at a four-year institution while also fulfilling IGETC requirements. The courses listed as “required” above will fulfill components of IGETC as well as be accepted to fulfill several of the prerequisites and lower-division requirements of the B.S. degree at many four-year institutions.

**RIVERSIDE COMMUNITY COLLEGE DISTRICT
PROGRAM OUTLINE of RECORD**

Narrative

College: R___ M___ N_X

TOPs Code: 593.40

CIP Code: NCE863

3D MECHANICAL DRAFTING CERTIFICATE

Program Narrative

Item 1. Program Goals and Objectives

3D Mechanical Drafting certificate program prepares individuals to apply basic Mechanical drafting knowledge and skills to development of working drawings and electronic simulations in support of mechanical and industrial engineers and related professionals. The content includes the application of advanced computer software and hardware, Computer Assisted Drafting, Computer Assisted Design (CAD) and Building Information Modeling (BIM) to the creation of graphic representations and simulations in support of engineering projects.

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

1. Demonstrate an understanding of 3D mechanical modeling so as to be able to capture design intent in a 3D model.
2. Map out the most efficient path in 3D model creation.
3. Reverse engineer existing parts and recreate them as 3D computer models.

Employment for mechanical drafters is expected to increase by 2% between 2017 and 2022 in the Inland Empire/Desert Region. Just over 200 job openings will be available over the five-year timeframe. The entry-level wage for mechanical drafters is above the MIT Living Wage estimate of \$12.30 per hour for a single adult living in the Inland Empire/Desert Region.

There appears to be an opportunity for program growth based on the average annual number of program completions for the selected community college programs (2 average annual community college awards), and the annual openings for mechanical drafters in the local region (42 annual job openings). Attached find LMI report.

Item 2. Catalog Description

PROGRAM PREREQUISITE:

None

SHORT DESCRIPTION of PROGRAM

This certificate includes courses intended to help students qualify for an entry level CAD operator/drafter or help someone, already in industry, to update their skills. Students can expect an entry level position as a CAD operator, mechanical drafter, engineering assistant and engineering technician.

Item 3. Program Requirements

Required Courses: 20 units

Course	Title	Units	Sequencing
DFT/ENE21	Drafting	3	Semester 1, Fall
DFT/ENE27	Technical Communications	3	Semester 1, Fall
DFT/ENE51	Blueprint Reading	2	Semester 1, Fall
DFT/ENE42	SolidWorks I	3	Semester 1, Fall
DFT/ENE30	Computer Aided Drafting	3	Semester 1, Fall
DFT/ENE42B	SolidWorks II	3	Semester 2, Spring
DFT/ENE52	Geometric Dimensioning & Tolerancing	3 (updated)	Semester 2, Spring

Plus, an additional 3-5 units from the following elective courses:

Course	Title	Units	Sequencing
MAT36	Trigonometry	4	Semester 2, Spring
MAN56	CNC Machine Set-Up and Operation	4	Semester 2, Spring
MAN35	Computer Aided Manufacturing- Mastercam	5	Semester 2, Spring
ENE41 DFT62	Engineering Graphics Basic Fusion 360	3	Semester 2, Spring

Total Program Units: 23-25 units

Associate of Science Degree

The Associate of Science Degree in 3D Mechanical Drafting will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog

Item 4. Master Planning

Riverside Community College District is dedicated to the success of its students and to the development of the communities it serves. By facilitating its Colleges and learning centers to provide educational and student services, it meets the needs and expectations of its unique communities of learners. The District provides the Colleges with leadership in the areas of advocacy, resource stewardship, and planning.

Norco College inspires a diverse student body by an inclusive innovative approach to learning through its pathways to transfer, professional, career and technical education, certificates, and degrees. We are proud to be a pivotal hub for scholarship, arts and culture, dynamic technologies, and partnerships. Norco College encourages self-empowerment and is dedicated to transforming the lives of our students, employees, and community.

The goal of this program is to provide a diverse population of adult learners with the opportunity to build their understanding of Mechanical Drafting skills needed for drafting job performance, which is essential for setting up and operating a quality Mechanical drafting service business/shop.

Item 5. Enrollment and Completer Projections

The college expect to offer all courses in the certificate twice per year, and each class will be offered to 34 students. Students can complete the program within a year.

Item 6. Place of Program in Curriculum/Similar Programs

Current Norco College 3D Mechanical program includes only:

Required Courses: 20 units

Course	Title	Units	Sequencing
DFT/ENE21	Drafting	3	Semester 1, Fall
DFT/ENE27	Technical Communications	3	Semester 1, Fall
DFT/ENE51	Blueprint Reading	2	Semester 1, Fall
DFT/ENE42	SolidWorks I	3	Semester 1, Fall
DFT/ENE30	Computer Aided Drafting	3	Semester 1, Fall
DFT/ENE42B	SolidWorks II	3	Semester 2, Spring
ENE52	Geometric Dimensioning & Tolerancing	3 (updated)	Semester 2, Spring

Plus, an additional 3-5 units from the following elective courses:

Course	Title	Units	Sequencing
MAT36	Trigonometry	4	Semester 2, Spring
MAN56	CNC Machine Set-Up and Operation	4	Semester 2, Spring
MAN35	Computer Aided Manufacturing- Mastercam	5	Semester 2, Spring
ENE41	Engineering Graphics	3	Semester 2, Spring

The current 3D Mechanical Drafting certificate at Norco College is lacking the print reading and other essential related skills to perform the drafting job. It needs to be updated with the industry needs as proposed in Item 3 to prepare students with sufficient skills for the job market.

Item 7. Similar Programs at Other Colleges in Service Area

Chaffey College in San Bernardino County has a similar program.

Drafting Certificate & Degree Requirements

Drafting Technician: Mechanical AS Degree Requirements

To obtain an Associate's Degree, students must complete both the major requirements below and the graduation requirements listed on pages 35-36.

COURSE NUMBER	NAME	UNITS
DRAFT 20	Computer-Aided Drafting and Design	4

DRAFT 21	Mechanical Design I	3
DRAFT 41	Computer-Aided Drafting and Design: Mechanical	4
DRAFT 43	Advanced CAD Modeling and Applications	3
DRAFT 78	Advanced Design Applications	4
EGTECH 10	Introduction to Engineering Design	4
EGTECH 16	Computer Integrated Manufacturing - CNC Material Removal	3
Total units for the major		25
Required General Education courses:		
PHYS 5*	The Ideas of Physics	3
PHYS 6*	The Ideas of Physics Laboratory	1
* or any advanced course in Physics with a laboratory		

Item 8. Transfer Preparation Information (if applicable)

All the courses in this proposal are transferable as listed below.

Course	Title	Units	Transferable to
DFT/ENE21	Drafting	3	UC, CSU
DFT/ENE27	Technical Communications	3	CSU
DFT/ENE51	Blueprint Reading	2	CSU
DFT/ENE42	SolidWorks I	3	CSU
ENE52	Geometric Dimensioning & Tolerancing	3 (updated)	CSU
DFT/ENE30	Computer Aided Drafting	3	UC, CSU
DFT/ENE42B	SolidWorks II	3	CSU

**RIVERSIDE COMMUNITY COLLEGE DISTRICT
PROGRAM OUTLINE of RECORD**

Narrative

College: R___ M___ N_X

TOPs Code: 0953.00, 0953.40

CIP Code: NAS539/NAS539B/NAS539C/NCE539

DRAFTING TECHNOLOGY CERTIFICATE

Program Narrative

Item 1. Program Goals and Objectives

Drafting Technology certificate program prepares individuals the basic skills and knowledge in the field of drafting to perform as a general drafter. Students can advance their skills later on in Mechanical or Architectural drafting. This program gives individuals knowledge and skills to develop working drawings and electronic simulations in support of engineering drafting and related professionals. The content includes the application of Manual Drafting, Computer Assisted Drafting and technical communication to the creation of graphic representations and simulations in support of engineering projects.

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

1. An ability to apply and integrate computer technology in the design process, exhibiting skills necessary for entry level employment, as a drafter in the drafting industry.
2. Knowledge of engineering drawing skills and practice in the solution of industry related design projects.

Employment for the drafting technology occupational group is expected to decrease by 2% between 2017 and 2022 in the Inland Empire/Desert Region and Los Angeles County combined. Despite this projected decrease, nearly 3,600 job openings will be available over the five-year timeframe. The entry-level wage for each occupation in the drafting technology occupational group is above the MIT Living Wage estimate of \$12.30 per hour for a single adult living in the Inland Empire/Desert Region. There appears to be an opportunity for program growth based on the average annual number of program completions for the selected community college programs (52 average annual community college credentials), and the annual openings for drafting technology occupations in the local region (712 annual job openings). Attached find LMI report.

Item 2. Catalog Description

PROGRAM PREREQUISITE:

None

SHORT DESCRIPTION of PROGRAM

This program prepares individuals to apply technical skills and advanced computer software and hardware to the creation of graphic representations and simulation in support of drafting and engineering design problems typical of industry. This includes instruction in engineering graphics, computer-aided drafting (CAD), two-dimensional and engineering graphics. Students completing this certificate will be qualified for an entry level drafting or design position.

Item 3. Program Requirements

Required Courses: 14-15 units

Course	Title	Units	Sequencing
DFT/ENE21	Drafting	3	Semester 1, Fall
DFT/ENE27	Technical Communications	3	Semester 1, Fall
DFT/ENE30	Computer Aided Drafting	3	Semester 1, Fall
DFT/ENE51 OR CON 62	Blueprint Reading	2-3	Semester 1, Fall
ENE41 DFT62	Engineering Graphics Basic Fusion 360	3	Semester 2 Spring

Plus, an additional 6-8 units from the following elective courses:

Course	Title	Units	Sequencing
DFT/ENE60 OR MAT 36	Math for Engineering Technology OR Trigonometry	3 OR 4	Semester 1, Fall
CON60	Introduction to Construction	3	Semester 2 Spring
ARE37	Architectural Design	3	Semester 2 Spring
DFT/ENE42	SolidWorks I	3	Semester 2 Spring
MAN 56	CNC Machine Set-up and Operation	4	Semester 2 Spring

Total Program Units: 20 -23 units

Associate of Science Degree

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

Item 4. Master Planning

Riverside Community College District is dedicated to the success of its students and to the development of the communities it serves. By facilitating its colleges and learning centers to provide educational and student services, it meets the needs and expectations of its unique communities of learners. The district provides the Colleges with leadership in the areas of advocacy, resource stewardship, and planning.

Norco College inspires a diverse student body by an inclusive innovative approach to learning through its pathways to transfer, professional, career and technical education, certificates, and degrees. We are proud to be a pivotal hub for scholarship, arts and culture, dynamic technologies, and partnerships. Norco College encourages self-empowerment and is dedicated to transforming the lives of our students, employees, and community.

The goal of this program is to provide a diverse population of adult learners with the opportunity to build their understanding of general Drafting techniques needed for drafting job performance, which is essential for setting up and operating a quality drafting service business/shop.

Item 5. Enrollment and Completer Projections

The college expect to offer all courses in the certificate twice per year, and each class will be offered to 34 students. Students can complete the program within a year.

Item 6. Place of Program in Curriculum/Similar Programs

Current Norco College Drafting Technology program includes:

Required Courses: 14-15 units

Course	Title	Units	Sequencing
DFT/ENE21	Drafting	3	Semester 1, Fall
DFT/ENE27	Technical Communications	3	Semester 1, Fall
DFT/ENE30	Computer Aided Drafting	3	Semester 1, Fall
DFT/ENE51 OR CON 62	Blueprint Reading	2-3	Semester 1, Fall
ENE41	Engineering Graphics	3	Semester 2 Spring

Plus, an additional 6-8 units from the following elective courses:

Course	Title	Units	Sequencing
DFT/ENE60 OR MAT 36	Math for Engineering Technology OR Trigonometry	3 OR 4	Semester 1, Fall
CON60	Introduction to Construction	3	Semester 2 Spring
ARE37	Architectural Design	3	Semester 2 Spring
DFT/ENE42	SolidWorks I	3	Semester 2 Spring
MAN 56	CNC Machine Set-up and Operation	4	Semester 2 Spring

Total Program Units: 20 -23 units

The current Drafting Technology certificate at Norco College doesn't give option to students who want to continue their education/career in the current drafting industry. New proposal focuses on essential related skills to perform the drafting job as well as a base courses allowing students to continue their education/career in variety of industries. This changes needed to be made as proposed in Item 3 to prepare students with sufficient skills for the job market.

Item 7. Similar Programs at Other Colleges in Service Area

Norco College is the only community college in the region that kept long certificate in Drafting. Most of Colleges transferred Drafting Technology Certificate toward Mechanical, Civil or Architectural Drafting. In separate proposals Advancing Mechanical and Architectural Certificates are proposed, however the current Drafting Technology certificate needs to focus on common courses to serve all industries which allows students more options along the road.

Item 8. Transfer Preparation Information (if applicable)

The courses in this proposal are transferable as listed below.

Course	Title	Units	Transferable to
DFT/ENE21	Drafting	3	UC, CSU
DFT/ENE27	Technical Communications	3	CSU
DFT/ENE30	Computer Aided Drafting	3	UC, CSU
DFT/ENE51	Blueprint Reading	3	CSU
CON62	Print Reading for Construction	3	CSU
ARE37	Technical Communications	3	UC, CSU
DFT/ENE42	SolidWorks I	3	CSU
MAT36	Trigonometry	3	CSU

Reference to [Norco College course catalog](#)