

RCCD | RIVERSIDE COMMUNITY
COLLEGE DISTRICT
DISTRICT CURRICULUM COMMITTEE

Meeting Agenda

Tuesday, October 7, 2025

4:00-5:00pm

CAADO 209/Zoom

Committee Members	Guests
☐ Kelly Douglass (Chair, ENGL, RIV)	☐ Lijuan Zhai (AVC ES&IE, RCCD)
☐ <i>Vacant</i> (Co-Chair, VC Ed. Services)	☐ Steven Schmidt (MUS, RCC)
☐ Brian Johnson (MAT, NOR)	☐ Bryan Medina (CPRO, RCCD)
☐ Nick Sinigaglia (PHI, MOV)	☐ Nicole Banerjee (AO, RCC)
	☐ Nick Franco (AO, NOR)
	☐ Deanna Murrell (AO, MVC)
	☐ Sabina Fernandez (CPRO, MVC)
	☐ Casandra Greene (CPRO, RCC)
	☐ Nicole Brown (CPRO, NOR)
Additional Guests:	

Zoom Information

<https://rccd-edu.zoom.us/j/86555446612?pwd=R0dDakVkSzNZQitZZEN0Zm1TTIYvQT09>

+1 669 900 6833 US

Meeting ID: 865 5544 6612

Passcode: 627472

Call to Order:

Agenda and Minutes

1. Approval of Agenda
The agenda will be reviewed, discussed, and considered for approval.
2. Approval of Minutes – September 16, 2025
The minutes will be reviewed, discussed, and considered for approval.

Reports from Colleges

1. Moreno Valley
2. Norco
3. Riverside

Action Items

1. Curriculum Proposals
Curriculum proposals will be reviewed, discussed, and considered for forwarding to the Board of Trustees.

Discussion Items and Public Comment

1. Open Forum
2. Public Comment for all items on or not otherwise on the agenda.

Adjournment:

District Curriculum Committee

Proposals for Review for Meeting: 10/07/2025

Courses

Course Deletions

M N R Discussion

CAT 36A [Legal Office Procedures I](#)

☐ ☐ ☒

Rationale: Removal for program discontinuance.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: [Approved, 9/23/2025](#)

CAT 36ADE [Legal Office Procedures I](#)

☐ ☐ ☒

Rationale: program deletion pending

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: [Approved, 9/23/2025](#)

CAT 36B [Legal Office Procedures II](#)

☐ ☐ ☒

Rationale: Program deletion

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: [Approved, 9/23/2025](#)

CAT 37 [Legal Terminology](#)

☐ ☐ ☒

Rationale: Two-year CTE review - program and course deletion.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: [Approved, 9/23/2025](#)

CAT 38 [Legal Word Processing and Forms](#)

☐ ☐ ☒

Rationale: program and course discontinuance

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: [Approved, 9/23/2025](#)

THE 200 [Theatre Arts Work Experience](#)

☒ ☒ ☒

Rationale: Deactivating course.

MOV: [Approved, 9/23/2025](#)

NOR: [Approved, 9/23/2025](#)

RIV: [Approved, 9/23/2025](#)

Course Exclusions

M N R Discussion

ANT 16 [Field Methods in Archaeology](#)

☒ ☐ ☐

Rationale: MVC does not have the equipment or outdoor lab space to run this course. While we have put in resource requests for both and the funds to purchase the equipment were approved, administration did not purchase any items due to a lack of storage. The storage is dependent on the outdoor lab space (i.e., the storage would be on site at the outdoor lab). We have not had an update on the outdoor lab in about a year, and thus, we cannot commit to offer this class in the near future. However, we are open to putting the course back into the catalog once we have secured the appropriate materials and outdoor lab space and will be following up again with our resource request via program review.

MOV: [Approved, 9/23/2025](#)

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

H

MUS 1 [Teaching Music to Young Children](#)

☒ ☐ ☐

Rationale: This course has only been offered 3 times at MVC: First in 2011, again in 2015 and the last time occurred in the Fall of 2020. It has never reached the cap (in any of those offerings) and the last time it was offered it was extremely low enrolled (6 students at census). This course doesn't fit into any music degree or certificate and the MVC music faculty have no interest in offering it in the future (as it serves no curricular or supporting role within the music program). It is an elective component within the Associate of Science Degree and Certificate of Achievement for Early Childhood Education. However, the ECE at MVC also have no interest in offering it and are planning to complete a program modification to remove this course from their certificate. Therefore, MUS-1 should be excluded from the catalog.

MOV: [Hold, 9/9/2025](#)

NOR: Info Item, 9/9/2025

RIV: Info Item, 9/9/2025

Motion to Hold until MOV- Program Modification comes through, Early Childhood Education.

Course Major Modifications

M N R Discussion

ENGL C1003 [Critical Thinking and Writing through Literature](#)

☒ ☒ ☒

Rationale: Course has been updated to incorporate CCN template required language. Minimal additional changes were made to preserve existing articulations and C-ID approvals. The few changes made were to address redundancy.

MOV: [Approved, 9/23/2025](#)

NOR: [Approved, 9/23/2025](#)

RIV: [Approved, 9/23/2025](#)

Courses

Course Major Modifications

M N R Discussion

ENGL C1003H **Critical Thinking and Writing Through Literature - Honors**

☒ ☒ ☒

Rationale: Course has been updated to incorporate CCN template required language. Minimal additional changes were made to preserve existing articulations and C-ID approvals. The few changes made were to address redundancy.

MOV: **Approved, 9/23/2025**

NOR: **Approved, 9/23/2025**

RIV: **Approved, 9/23/2025**

KIN 14 **Athletic and Fitness Organization and Administration**

☐ ☐ ☒

Rationale: Update Course materials, update SLOs, update course content

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: **Approved, 9/23/2025**

KIN 4 **Nutrition**

☒ ☒ ☒

Rationale: Update course materials, Update course objectives, Update course content

MOV: **Approved, 9/23/2025**

NOR: **Approved, 9/23/2025**

RIV: **Approved, 9/23/2025**

KIN V21 **Volleyball, Varsity, Women**

☐ ☐ ☒

Rationale: Making adjustments to pass/no pass, update course materials

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: **Approved, 9/23/2025**

MAG 62 **Introduction to Hotel Management**

☐ ☐ ☒

Rationale: Updating for C-ID approval

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: **Approved, 9/23/2025**

Course Minor Modifications

M N R Discussion

ADM 2C **Ethics and Legalities for Graphic Designers**

☒ ☐ ☒

Rationale: Textbook update.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUB 51 **Automotive Non-Structural Collision Repair and Estimating**

☐ ☐ ☒

Rationale: Course reviewed, no modifications needed at this time.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUB 52 **Automotive Refinishing and Paint**

☐ ☐ ☒

Rationale: Course reviewed, no modifications needed at this time.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUB 54 **Automotive Structural Collision Repair and Frame**

☐ ☐ ☒

Rationale: Course reviewed, no modifications needed at this time.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUB 55 **Automotive Advanced Refinishing and Custom Paint**

☐ ☐ ☒

Rationale: Course reviewed, no modifications needed at this time.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUB 56 **Automotive Technology for the Automotive Collision Specialist**

☐ ☐ ☒

Rationale: Course reviewed, no modifications needed at this time.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUB 57 **Antique and Classic Auto Restoration and Fabrication**

☐ ☐ ☒

Rationale: Course reviewed, no modifications needed at this time.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUB 59A **Automotive Collision Service and Repair**

☐ ☐ ☒

Rationale: Course reviewed, no modifications needed at this time.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUB 59B **Automotive Refinishing Service and Repair**

☐ ☐ ☒

Rationale: Course reviewed, no modifications needed at this time.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

Courses

Course Minor Modifications

M N R Discussion

AUB 60	Automotive Trim and Upholstery I	☐	☐	☒	
Rationale:	Course reviewed, no modifications needed at this time.				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUB 61	Automotive Trim and Upholstery II	☐	☐	☒	
Rationale:	Course reviewed, no modifications needed at this time.				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 13A	Hybrid and Electric Vehicle Technology 1	☐	☐	☒	
Rationale:	Review of Course Outline				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 13B	Advanced Hybrid and Electric Vehicle Technology	☐	☐	☒	
Rationale:	Review of Course Outline				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 1A	Automotive Engine Repair (Upper End)	☐	☐	☒	
Rationale:	Two year review. No modifications needed.				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 1B	Automotive Engine Repair (Lower End)	☐	☐	☒	
Rationale:	2 year review and course update as needed.				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 2	Automotive Automatic Transmission/Transaxles	☐	☐	☒	
Rationale:	Two-year review. No modifications needed.				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 3	Automotive Manual Drivetrain Systems	☐	☐	☒	
Rationale:	Two-year review and book update as needed.				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 4A	Automotive Steering and Suspension	☐	☐	☒	
Rationale:	Two-year review and book update as needed.				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 4B	Advanced Suspension and Brake Systems	☐	☐	☒	
Rationale:	Review of Course Outline				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 5	Automotive Brakes	☐	☐	☒	
Rationale:	Two-year review and book update as needed.				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 50	Automotive Principles	☐	☐	☒	
Rationale:	2 year review. Course update as needed				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 6A	Automotive Electrical Systems 1	☐	☐	☒	
Rationale:	2 year review. Course update as needed.				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025
AUT 6B	Automotive Electrical Systems 2	☐	☐	☒	
Rationale:	Review of Course Outline				
MOV:	Info Item, 9/23/2025	NOR:	Info Item, 9/23/2025	RIV:	Info Item, 9/23/2025

Courses

Course Minor Modifications

M N R Discussion

AUT 7 Automotive Heating and Air Conditioning

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 801 ASE Test Preparation- Engine Repair

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 802 ASE Test Preparation- Automatic Transmission/ Transaxle

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 803 ASE Test Preparation- Manual Drive Train and Axles

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 804 ASE Test Preparation - Suspension and Steering

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 805 ASE Test Preparation- Brakes

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 806 ASE Test Preparation- Electrical/Electronic Systems

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 807 ASE Test Preparation- Heating and Air Conditioning

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 808 ASE Test Preparation- Engine Performance

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 811 ASE Test Preparation- Advanced Engine Performance

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 8A Automotive Engine Performance 1

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 8B Automotive Engine Performance 2

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

AUT 8C Automotive Emission Controls

☐ ☐ ☒

Rationale: Two-year review and book update as needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

CAT 1A Business Etiquette

☒ ☒ ☒

Rationale: Two-year CTE review. Book update.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

Courses

Course Minor Modifications

M N R Discussion

CAT 30A Business English 30A

☐ ☐ ☒

Rationale: Two-year CTE review of content and materials.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

JOU 20A Newspaper: Beginning

☒ ☐ ☒

Rationale: 2-year CTE review. No changes needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

JOU 20B Newspaper: Intermediate

☒ ☐ ☒

Rationale: 2-year CTE review. No changes needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

JOU 20C Newspaper: Advanced

☒ ☐ ☒

Rationale: 2-year CTE review. No changes needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

JOU 20D Newspaper: Professional

☒ ☐ ☒

Rationale: 2-year CTE review. No changes needed.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

KIN V07 Golf, Varsity, Men

☐ ☐ ☒

Rationale: Update course materials

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

KIN V08 Tennis, Varsity, Men

☐ ☐ ☒

Rationale: Update course materials

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

KIN V18 Tennis, Varsity, Women

☐ ☐ ☒

Rationale: Update course materials

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

KIN V22 Fastpitch, Varsity, Women

☐ ☐ ☒

Rationale: Update course materials

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

THE 2 Play Practicum-Special Projects Laboratory I

☐ ☒ ☒

Rationale: Graded on acting, set construction, lighting, costuming, house management, props and make-up on a small scale.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

THE 25 Makeup for the Stage

☐ ☒ ☒

Rationale: Graded on makeup techniques of makeup application, painterly techniques and three dimensional techniques in relation to production and performance.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

THE 26 Directing for the Stage

☐ ☒ ☒

Rationale: A study of the director's interpretation of dramatic literature, with emphasis on the communication of intellectual and emotional concepts through composition, visualization, picturization, movement and rhythm.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

THE 29 Musical Theater Appreciation

☐ ☒ ☒

Rationale: Graded on stylistic distinctions of the musical and the contribution of individual composers, librettists, lyricists, choreographers, directors, and designers to the genre of musical theatre.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

THE 3 Introduction to the Theater

☒ ☒ ☒

Rationale: Graded on the historical and modern aspects of acting, directing, playwriting, scenic design, costume design, sound design,

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

Courses

Course Minor Modifications

M N R Discussion

THE 30 **Voice and Movement for the Stage** ☐ ☐ ☒

Rationale: Grading will be based on principles and techniques of voices and movement needed for the actor to perform on stage, including stage movement, alignment, voice production, breathing, diction, accents, flexibility, projection, and voice care.

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 32 **Acting Fundamentals - Theater Games and Exercises** ☒ ☒ ☒

Rationale: Grading will be based on creativity, relaxation, sensory awareness, and concentration. Development and preparation of the actor's instrument: voice, speech, body, and imagination.

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 33 **Scene Acting-Creating a Role** ☐ ☒ ☒

Rationale: Grading is based on text analysis and practical applications such as use of body, voice, and imagination. Continued development of actor's body through exercises. Advanced work in motivation, relationships, and emotional discovery and release.

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 34 **Scene Study in Various Theatrical Styles** ☐ ☒ ☒

Rationale: Grading will be based on the development of the actor's artistic sense and presentation with regard to text, environment, actions and choices.

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 35 **Classical Acting with Emphasis in Shakespearean Verse** ☐ ☒ ☒

Rationale: Grading will be based on analysis and thematic aspects of Shakespeare and elevated verse, especially meter, rhythm, structure, imagery, antithesis, word games, patterns, stressing, and inflections.

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 36 **Improvisational Acting** ☐ ☒ ☒

Rationale: Graded on short and long form, dramatic and comedic, group work, spontaneity and characterization.

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 37 **Musical Theater Techniques** ☐ ☐ ☒

Rationale: To apply various acting techniques through Dialogue, song and dance.

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 38 **Auditioning for the Stage** ☐ ☐ ☒

Rationale: Students will Create a repertoire of material for auditions

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 39 **Acting for the Camera** ☐ ☒ ☒

Rationale: Grading on performance on film, shots positions, acting before a camera, actor behavior for both television, gaming, and motion pictures.

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 4 **Play Practicum-Special Projects Lab II** ☐ ☒ ☒

Rationale: Graded on performance including units in acting, set construction, lighting, costuming, house management, props and make-up for various productions.

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 41 **Elementary Stagecraft** ☐ ☒ ☒

Rationale: Grading is based on safety, elementary set construction, scenic painting, drafting, and critical analysis of scenic design for the theater.

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 44 **Theatrical Set Design** ☐ ☒ ☒

Rationale: Graded on analysis of space, movement, mood, period, style, texture, materials, and color to achieve the execution of design concepts.

MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

Courses

Course Minor Modifications

M N R Discussion

THE 46 **Theatrical Costume Design** ☐ ☒ ☒
Rationale: Grading will be based on use and manipulation of patterns, textiles, jewelry, and accessories to imitate the historical needs of the production while maintaining production budget guidelines.
MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 48 **Theatrical Lighting Design** ☐ ☒ ☒
Rationale: Grading will be based on creative concepts of lighting design, how to create a light plot, hang the lighting instruments for a show, as well as the practical use and operation of lighting equipment used to execute the design.
MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 49 **Scenic Painting for the Theater** ☐ ☐ ☒
Rationale: Grading will be brush, roller, spray gun, texturing, rock background, wood graining, wallpaper, masonry, scenic drops, and other scene painting techniques.
MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 5 **Theater Practicum** ☐ ☒ ☒
Rationale: Graded on acting, set construction, lighting, costuming, house management, props, and make-up depending on what role they have in the production.
MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 54 **Introduction to Stage Management** ☐ ☐ ☒
Rationale: Graded on their Master Rehearsal book, audition forms, cue sheets, prop sheets, line sets, Actor Tracking, scenic tracking, sign in sheets, script organization plus various worksheets depending on production assigned.
MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 55 **Beginning Musical Theatre I** ☐ ☐ ☒
Rationale: Grading done on acting, musical theater vocal production, dance in contemporary Musical Theatre.
MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 56 **Beginning Musical Theatre II** ☐ ☐ ☒
Rationale: Creating a course designed specifically for the development of the students abilities in musical theatre techniques for the stage. Created to develop technical skills as it relates to musical theatre performance.
MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 57 **Intermediate Musical Theatre I** ☐ ☐ ☒
Rationale: Graded on acting, movement and voice as related to pop/rock in the 50's, 60's, 70's, 80's, Contemporary Pop/Rock, Country, Bluegrass, and Hip Hop genres.
MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 58 **Intermediate Musical Theatre II** ☐ ☐ ☒
Rationale: scene study, callback technique, resume, headshot, demo reel, and website development are utilized for grading purposes.
MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 6 **Advanced Theater Practicum** ☐ ☒ ☒
Rationale: Graded performance including units in acting, technical design and construction, lighting, costuming, house management, props and make-up.
MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

THE 9 **Dramatic Literature-Script Analysis** ☐ ☒ ☒
Rationale: Graded on p modern theatrical movements and the fundamental techniques of script analysis, including structure, genre, style, theme, character, and language.
MOV: Info Item, 9/23/2025 **NOR:** Info Item, 9/23/2025 **RIV:** Info Item, 9/23/2025

Courses

Course Reactivation

M N R Discussion

ADM 200 [Applied Digital Media Work Experience](#) ☐ ☐ ☒

Rationale: ADM-200, along with ADM-70, create capstone experiences for students who are finishing their graphic design or graphic communication degree/certificate.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: **Approved, 9/23/2025**

Distance Education

M N R Discussion

H

JOU 1DE [Introduction to Journalism](#) ☒ ☐ ☒

Rationale:

MOV: **Approved, 9/9/2025**

NOR: Info Item, 9/9/2025

RIV: **Hold, 9/9/2025**

New Courses

M N R Discussion

ESL 820 [Medical Terminology I for English Language Learners](#) ☒ ☒ ☒

Rationale: This non-credit course is part of a non-credit ESL certificate designed to prepare English Language Learners to enter healthcare fields. This course offers an accessible entry-point for students leading to the preliminary course on a healthcare pathway by providing them with the vocabulary and language functions necessary to access the curriculum. The medical field in Riverside County will benefit from dual language or multilingual healthcare professionals.

MOV: **Approved, 9/23/2025**

NOR: **Hold, 9/23/2025**

RIV: **Hold, 9/23/2025**

Brian Johnson said he doesn't think this is a Course that Norco will be offering and should not be listed.

ESL 821 [Medical Terminology II for English Language Learners](#) ☒ ☒ ☒

Rationale: This course is intended as the second of two non-credit ESL courses leading students to other preliminary healthcare content courses.

MOV: **Approved, 9/23/2025**

NOR: **Hold, 9/23/2025**

RIV: **Hold, 9/23/2025**

Brian Johnson said he doesn't think this is a Course that Norco will be offering and should not be listed.

MAN 33 [Programmable Controller Troubleshooting 1](#) ☐ ☒ ☐

Rationale: Creating a new course for a new manufacturing certificate.

MOV: Info Item, 9/23/2025

NOR: **Approved, 9/23/2025**

RIV: Info Item, 9/23/2025

PSF 1 [Introduction to Homeland Security and Terrorism](#) ☒ ☐ ☐

Rationale: Migrating HLS courses to PSF discipline

MOV: **Approved, 9/23/2025**

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

Programs

Program Modifications

M N R Discussion

ADT

MAT [Mathematics 2.0](#) ☐ ☐ ☒

Rationale: Due to an updated version of the TMC (Transfer Model Curriculum) template available, this is an update to the ADT in Mathematics program to the most current version template.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: **Approved, 9/23/2025**

PHY [Physics 2.0](#) ☒ ☐ ☐

Rationale: There is an updated version of the TMC (Transfer Model Curriculum) template available, updating the ADT in Physics program to the most current version template. Course Sequence and Unit change, additional Course Requirements: MAT-2 , MAT-3 and CIS-5.

MOV: **Approved, 9/23/2025**

NOR: Info Item, 9/23/2025

RIV: Info Item, 9/23/2025

Programs

Program Modifications

M N R Discussion

ADT

PHY [Physics 2.0](#)

☐ ☒ ☐

Rationale: This ADT aligns with the updated Physics 2.0 TMC template and will replace the existing ADT in Physics in the catalog.

MOV: Info Item, 9/23/2025

NOR: [Approved, 9/23/2025](#)

RIV: Info Item, 9/23/2025

PHY [Physics 2.0](#)

☐ ☐ ☒

Rationale: Changes to the Physics ADT to match the new Transfer Model Curriculum. Under the new TMC, Physics is a high-unit major, and students are permitted to transfer up to 66 units. This allows for the addition of required math courses and a computer science course.

MOV: Info Item, 9/23/2025

NOR: Info Item, 9/23/2025

RIV: [Approved, 9/23/2025](#)

Certificate

H

MAN [Control Systems Specialist](#)

☐ ☒ ☐

Rationale: Removing ELE-65 from the course requirements; MAN-33 is already required as an alternative.

MOV: Info Item, 5/27/2025

NOR: [Approved, 5/27/2025](#)

RIV: Info Item, 5/27/2025

This program was approved at the 6/3/25 DCC, but it requires a course that has not yet been approved, MAN-33.

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

Program Outline

Title: Mathematics 2.0

Originator: Valerie Merrill

Date 5/13/2025

Department: STEM – Mathematics and Computer Information Systems

College/Learning Pathway/Engagement Center: Riverside - Science, Technology, Engineering, and Mathematics (STEM)

TOPs Code: 1701.00 Mathematics, General

CIP Code: 27.0101 Mathematics, General

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.)

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

This is a: ☐ New ADT* ☒ Modification to an existing ADT

***New programs that require new facilities, positions, capital outlays, or have budgetary impacts must also be approved by Academic Senate and Strategic Planning before being submitted. Has this program been appropriately approved?**

☐ Yes, minutes attached ☐ Approval Pending
☒ No Capital or Budgetary Impacts

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.)

Due to an updated version of the TMC (Transfer Model Curriculum) template available this is an update to the ADT in Mathematics program to the most current version template. There are course sequence changes, such as removal of STAT-C10000/H and PSYC/SOC-48, and a unit change.

Rationale:

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

Due to an updated version of the TMC (Transfer Model Curriculum) template available this is an update to the ADT in Mathematics program to the most current version template.

Required Documentation:

Please submit this form and the documents outlined below to your college's Instructional Program Support Coordinator (IPSC) 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: *Must address a valid transfer preparation purpose.*

The Associate in Science Degree in Mathematics 2.0 for Transfer 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 Degree in Mathematics at a California State University (but does not guarantee acceptance to a particular campus or major). It will also provide the student with a sufficient academic basis from which to pursue a career in mathematics, statistics, actuarial sciences, and education.

Program Learning Outcomes

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

1. Reason mathematically both abstractly and computationally.
2. Create and analyze mathematical models

Item 2. Catalog Description: *Includes program requirements, prerequisite skills or enrollment limitations, program learning outcomes, and information relevant to program goal. The language list below is required at the end of the catalog description. Please replace the highlighted text with the language appropriate for this specific ADT. Course titles and unit values must be exact.*

The Associate in Science Degree in Mathematics 2.0 for Transfer 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 Degree in Mathematics at a California State University (but does not guarantee acceptance to a particular campus or major). It will also provide the student with a sufficient academic basis from which to pursue a career in mathematics, statistics, actuarial sciences, and education.

Program Learning Outcomes

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

1. Reason mathematically both abstractly and computationally.
2. Create and analyze mathematical models

Required Courses: 19 units

Course	Title	Units
MAT-1A or 1AH and MAT -1B	Calculus I or Honors Calculus I	4
MAT -1B	Calculus II	4
MAT-1C	Calculus III	4
MAT-2 and MAT-3	Differential Equations	4
	Linear Algebra	3

Elective Courses: 4 units

Course	Title	Units
CIS-5 or CSC-5	Programming Concepts and Methodology I: C++	4
PHY-4A	Mechanics	4

ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

The Associate in Science in Mathematics 2.0 for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the California General Education Transfer Curriculum (Cal-GETC) requirements and with a minimum grade

point average of 2.0. All courses in the major must be completed with a grade of “C” or better (or a “P” if taken as Pass/No Pass).

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

Program Outline

Title: Physics 2.0

Originator: Abel Sanchez / Stephen Wagner

Date 5/27/2025

Department: STEM- Natural Sciences

College/Learning Pathway/Engagement Center: Moreno Valley - Science, Technology,
Engineering and Math Engagement Center

TOPs Code: 1902.00 Physics, General

CIP Code: 40.0801 Physics, General

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.)

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

This is a: ☐ New ADT* ☒ Modification to an existing ADT

***New programs that require new facilities, positions, capital outlays, or have budgetary impacts must also be approved by Academic Senate and Strategic Planning before being submitted. Has this program been appropriately approved?**

☐ Yes, minutes attached

☐ Approval Pending

☐ No Capital or Budgetary Impacts

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.)

There is an updated version of the TMC (Transfer Model Curriculum) template available, updating the ADT in Physics program to the most current version template.

Course Sequence and Unit change, additional Course Requirements: MAT-2 , MAT-3 and CIS-5.

Rationale:

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

There is an updated version of the TMC (Transfer Model Curriculum) template available, updating the ADT in Physics program to the most current version template.

Required Documentation:

Please submit this form and the documents outlined below to your college's Instructional Program Support Coordinator (IPSC) 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

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

- ☒ 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)- N/A*

Program Narrative

Item 1. Program Goals and Objectives

Must address a valid transfer preparation purpose.

The Associate in Science in Physics for Transfer degree provides a foundation in physics and mathematics for students planning to transfer into a baccalaureate program in Physics. Successful completion of the transfer degree in Physics guarantees student acceptance to a local California State University to pursue a baccalaureate degree in Physics.

Item 2. Catalog Description

Includes program requirements, prerequisite skills or enrollment limitations, program learning outcomes, and information relevant to program goal. The language list below is required at the end of the catalog description. Please replace the highlighted text with the language appropriate for this specific ADT. Course titles and unit values must be exact.

The Associate in Science in Physics for Transfer degree provides a foundation in physics and mathematics for students planning to transfer into a baccalaureate program in Physics. Successful completion of the transfer degree in Physics guarantees student acceptance to a local California State University to pursue a baccalaureate degree in Physics.

Program Learning Outcomes

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

1. Apply appropriate physical laws and mathematical techniques to analyze various physical situations.
2. Perform various scientific experiments and to analyze data to check agreement with theoretical predictions.

Required Courses: 39 units

Course	Title	Units
PHY-4A	Mechanics	4
PHY-4B	Electricity and Magnetism	4
PHY-4C	Heat, Light and Waves	4
PHY-4D	Modern Physics	4
MAT 1A and MAT 1B	Calculus I and Calculus II	4
OR	OR	4
MAT 1AH And	Honors Calculus I And Calculus II	4
		4

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

MAT 1B		
MAT-1C	Calculus III	4
MAT-2 And MAT-3	Differential Equations And Linear Algebra	4 3
CIS-5	Programming Concepts and Methodology I:C++	4

Total Units: 39

ASSOCIATE IN [ARTS/SCIENCE] FOR TRANSFER DEGREE

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

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

Program Outline

Title: Associate in Science in Physics 2.0 for Transfer Degree

Originator: Lindsay Owens

Date 5/21/2025

Department/Pathway: School of Natural Sciences, Health & Kinesiology

TOPs Code: 1902.00

CIP Code:

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.)

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

This is a: ☒ New ADT* ☐ Modification to an existing ADT

***New programs that require new facilities, positions, capital outlays, or have budgetary impacts must also be approved by Academic Senate and Strategic Planning before being submitted. Has this program been appropriately approved?**

☐ Yes, minutes attached

☐ Approval Pending

☒ No Capital or Budgetary Impacts

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:

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

This ADT aligns with the updated Physics 2.0 TMC template and will replace the existing ADT in Physics in the catalog.

Required Documentation:

Please submit this form and the documents outlined below to your college's Curriculum Program 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

☒ College discipline minutes showing approval

☒ 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

Must address a valid transfer preparation purpose.

The Associate in Science in Physics 2.0 for Transfer degree provides a foundation in physics and mathematics for students planning to transfer into a baccalaureate program in Physics. Successful completion of the transfer degree in Physics guarantees student acceptance to a local California State University to pursue a baccalaureate degree in Physics.

Program Learning Outcomes

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

1. Apply appropriate physical laws and mathematical techniques to analyze various physical situations.
2. Perform various scientific experiments and to analyze data to check agreement with theoretical predictions.

Item 2. Catalog Description

The Associate in Science in Physics 2.0 for Transfer degree provides a foundation in physics and mathematics for students planning to transfer into a baccalaureate program in Physics. Successful completion of the transfer degree in Physics guarantees student acceptance to a local California State University to pursue a baccalaureate degree in Physics.

Program Learning Outcomes

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

1. Apply appropriate physical laws and mathematical techniques to analyze various physical situations.
2. Perform various scientific experiments and to analyze data to check agreement with theoretical predictions.

Required Courses: 31 units

Course	Title	Units
PHY-4A	Mechanics	4
PHY-4B	Electricity and Magnetism	4
PHY-4C	Heat, Light and Waves	4
MAT-1A/1AH	Calculus I/Honors	4
MAT-1B	Calculus II	4

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

MAT-1C	Calculus III	4
MAT-2	Differential Equations	4
MAT-3	Linear Algebra	3

Select one course from the following: 3-4 units

Course	Title	Units
CIS/CSC-5	Programming Concepts and Methodology I: C++	4
CIS/CSC-17A	Programming Concepts and Methodology II: C++	3
CIS/CSC-18A	Java Programming: Objects	3
CIS-30A	Introduction to Python Programming	3

Total Units: 34-35

ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

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

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

Program Outline

Title: Physics 2.0

Originator: Brock Russell

Date 9/4/2025

Department: Physical Science

College/Learning Pathway/Engagement Center: Riverside - Science, Technology, Engineering, and Mathematics (STEM)

TOPs Code: 1902.00 – Physics, General

CIP Code:

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.)

Type of ADT: ☐ Associate in Arts for Transfer

☒ Associate in Science for Transfer

This is a: ☐ New ADT*

☒ Modification to an existing ADT

***New programs that require new facilities, positions, capital outlays, or have budgetary impacts must also be approved by Academic Senate and Strategic Planning before being submitted. Has this program been appropriately approved?**

☐ Yes, minutes attached

☐ Approval Pending

☒ No Capital or Budgetary Impacts

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.)

This is a new version of the Physics ADT, required due to significant changes to the TMC.

Rationale:

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

Changes to the Physics ADT to match the new Transfer Model Curriculum. Under the new TMC, Physics is a high-unit major, and students are permitted to transfer up to 66 units. This allows for the addition of required math courses and a computer science course.

Required Documentation:

Please submit this form and the documents outlined below to your college's Curriculum Program 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

☒ College discipline minutes showing approval

☒ 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

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

1. *Apply appropriate physical laws and mathematical techniques to analyze various physical situations*
2. *Perform various scientific experiments and to analyze data to check agreement with theoretical predictions*

Item 2. Catalog Description

The Associate in Science in Physics for Transfer degree provides a foundation in physics and mathematics for students planning to transfer into a baccalaureate program in Physics. Successful completion of the transfer degree in Physics guarantees student acceptance to a local California State University to pursue a baccalaureate degree in Physics.

Required Courses: 33 units

Course	Title	Units
PHY-4A	Mechanics	4
PHY-4B	Electricity and Magnetism	4
PHY-4C	Heat, Light, and Waves	4
PHY-4D	Modern Physics	4
MAT-1A/1AH	Calculus I	4
MAT-1B	Calculus II	4
MAT-1C	Calculus III	4
MAT-2	Differential Equations	4
MAT-3	Linear Algebra	3

Elective Courses: 3 units

Course	Title	Units
CIS/CSC-5	Programming Concepts and Methodology I:C++	4
CSC-8	Programming Concepts: Python	3

ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

The Associate in Science in Physics for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the California General Education Transfer Curriculum (Cal-GETC) 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: Control Systems Specialist

Originator: Paul Van Hulle

Date 2/26/2025

Department: AT&A/Manufacturing

College/Learning Pathway/Engagement Center: Choose an item.

☐ **Moreno Valley College**

☒ **Norco College**

☐ **Riverside City College**

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

TOPs Code: 0956.00 and 945.00

CIP Code: 15.0405

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

***New programs that require new facilities, positions, capital outlays, or have budgetary impacts must also be approved by Academic Senate and Strategic Planning before being submitted. Has this program been appropriately approved?**

☐ Yes, minutes attached

☐ Approval Pending

☒ No Capital or Budgetary Impacts

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

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

Rationale:

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

SACA certifications are industry-driven, developed for industry by industry. They are developed through a rigorous process that begins with the creation of truly international skill standards, endorsed by leading experts in Industry 4.0 technologies throughout the world. Certification examinations are created based on these standards, pilot tested, and statistically analyzed to ensure quality. Each certification includes a proctored hands-on evaluation and an online test to ensure that candidates for certification can "do" as well as "know." SACA uses an annual review process for all certifications to ensure that standards and examinations remain current and relevant in the fast-changing world of Industry 4.0.

Experts from well-known industry leaders, such as Rockwell Automation, FANUC, Ashley Furniture, Kohler, Foxconn, Boeing, and Hershey, were instrumental in making sure SACA's Industry 4.0 certifications reflect the competencies that industry needs. A list of companies that SACA and Amatrol

worked with to develop the certification is included on this website: <https://www.saca.org/about-us-smart-automation-certification-alliance/acknowledgments/>

SACA sits at the forefront of the effort to certify students and workers who demonstrate the required knowledge and hands-on smart automation skills employers so desperately need. SACA's certifications were developed in conjunction with industry partners who could speak from experience about their needs when it comes to workers able to work alongside a variety of advanced automation technologies.

SACA offers a wide variety of certifications in popular industrial skill areas, including certifications at the Associate, Specialist, and Professional level. For those wishing to focus on building a strong foundation of skills employers need, SACA also offers many micro-credentials that allow students and workers to add certifications as they master new areas.

For workers, SACA certifications can help market their smart automation skills to potential employers. For those employers, SACA certifications represent confirmation that a worker has the skills to hit the ground running in the workplace. To learn more about Industry 4.0 certifications and how SACA can help both future workers and industrial employers begin the task of bridging the Industry 4.0 skills gap, contact SACA for more information.

<https://www.saca.org/smart-automation-certifications/#:~:text=SACA%20certifications%20are%20industry%2Ddriven,4.0%20technologies%20throug%20the%20world.>

Required Documentation

Please submit this form and the documents outlined below to your college's Instructional Program Support Coordinator (IPSC) 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.

Item 2. Catalog Description

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

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

- **Demonstrate knowledge of control systems used in industry and manufacturing environments.**
- **Apply problem-solving and analytical thinking in the maintenance, testing, troubleshooting, and repair of industrial mechanical/electrical equipment, industrial controls systems and robotics.**
- **Describe basic electrical circuits and PLC/VFD control theory.**
- **Apply technical math skills to solve problems involving electrical loads/wire sizing, gear ratios.**

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: 31 units

Course	Title	Units	Sequencing
MAN 10	Manufacturing Basic Operations	4	Fall 1
MAN/ELE 64	Programmable Logic Controllers	3	Winter 1
ELE/ELC/MAN 77	Electrical Theory for Electricians	3	Spring 1
ELE/ELC/MAN 73	Electric motors and transformers	4	Spring 1
MAN 27	Variable Frequency Drive Systems	2	Summer 1
MAN 28	Motor Control Troubleshooting 1	3	Fall 2
ELE/ELC/MAN 74	Industrial Wiring and Controls	4	Fall 2
ELE/ELC 75	Solid State Devices and Lighting Controls	3	Fall 1
MAN 15	Industry 4.0 Total Productive Maintenance	2	Winter 2
MAN 33	Programmable Controller Troubleshooting 1	3	Spring 2

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Total Program Units: 31_ 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.

Considering the mission of the college the robotics program and the controls certificate serves the college well by creating more opportunities for student success such as “application of emerging technologies” technologies that the community desperately needs so that students can get a head start on their careers. These certificates “provide foundational skills and pathways to technical educational certificates.”

Further, in the years to come, we will develop apprenticeships in the two programs which will meet objective 6.1 “expand access to registered apprenticeships, work experience classes and work-based learning opportunities” and Goal 8 “become the regional college of choice by offering a comprehensive range of programs that prepare students for the future and meet employer workforce needs.”

Item 5. Enrollment and Completer Projections

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

We have LMI data for two different programs including: “Industrial Maintenance and Automation” and “Industrial Automation Technology”. This data is the most recent on the COE website (2-26-2025) Norco College is one of three colleges that teaches automation. According to the COE (Center of Excellence for Labor Market Research document from February 2023 Norco College had nine graduates in 0956.00 Manufacturing and Industrial Technology, Industrial Automation/Supply Chain Automation. With this proposal we hope to increase these numbers. Further, this program is highly recommended within the LMI data document. Industrial Maintenance and Automation annual job openings is 434 which represents an increase of 13%. It should also be noted from the graphics below that there is a great demand for control systems technicians in our area.

During the 2017-20 we had 24 students receive awards for manufacturing and industrial technology programs related to robotics and control systems in the Inland Empire/Desert region. By creating this certificate we are hoping to increase the number of students in the industrial automation program.

Exhibit 1. Five-year projections for the industrial maintenance and automation occupational group, Inland Empire/Desert Region, 2022-2027

Industrial Maintenance and Automation Occupational Group	2022 Jobs	2027 Jobs	5-Yr Job Change	5-Yr % Job Growth	Annual Openings (New + Replacement Jobs)	% of workers age 55+
Industrial Machinery Mechanics	3,429	3,862	433	13%	403	32%
Industrial Engineering Technologists and Technicians	155	181	26	17%	22	30%
Electro-Mechanical and Mechatronics Technologists and Technicians	70	77	7	10%	9	36%
Total	3,654	4,120	466	13%	434	32%

Source: Lightcast 2023.3

Below are two charts showing completion data for “industrial automation technology” and “industrial maintenance and automation”

Program Outline of Record – Credit Degrees and Certificates

Exhibit 13: Annual average community college awards for manufacturing and industrial technology programs related to industrial automation technology, Inland Empire/Desert Region, Academic Years 2019-2022

TOP 0956.00 – Manufacturing and Industrial Technology	Academic Year 2019-20	Academic Year 2020-21	Academic Year 2021-22	Total CC Annual Average Awards, Academic Years 2019-22
Norco				
Associate Degree	2	3	-	2
Certificate 16 < 30-semester units	10	4	2	5
Certificate 6 < 18-semester units	3	1	2	2
San Bernardino				
Associate Degree	1	-	2	1
Certificate 30 < 60-semester units	1	-	1	1

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TOP 0956.00 – Manufacturing and Industrial Technology	Academic Year 2019-20	Academic Year 2020-21	Academic Year 2021-22	Total CC Annual Average Awards, Academic Years 2019-22
Total	17	8	7	11

Source: COE Supply Resource, May 2023

Exhibit 14: Annual average community college awards for manufacturing and industrial technology programs related to industrial automation technology, Inland Empire/Desert Region, Academic Years 2019-2022

TOP 0956.00 – Manufacturing and Industrial Technology (Local Program Title)	Academic Year 2019-20	Academic Year 2020-21	Academic Year 2021-22	Total CC Annual Average Awards, Academic Years 2019-22
Norco (Industrial Automation/Supply Chain Automation)				9
Associate Degree	2	3	0	2
Certificate 16 < 30-semester units	10	4	2	5
Certificate 6 < 18-semester units	3	1	2	2
Total	15	8	4	9

Source: MIS Data Mart, COCI

Exhibit 6 displays the employers posting the most job ads for the industrial automation occupational group during the last 12 months. Showing employer names provides insight into where students may find employment after completing a program. Anheuser-Busch posted the most job ads for the industrial machinery mechanics occupation. Cushman & Wakefield, and FedEx posted the most job ads seeking industrial engineering technologists and technicians industrial engineering technologists and technicians workers.

Exhibit 6. Employers posting the most job ads for the industrial maintenance and automation occupational group, Inland Empire/Desert Region, September 2022 through August 2023

Industrial Machinery Mechanics Employers	Unique Job Ads
Anheuser-Busch	22
BlueTriton Brands	8
Niagara Bottling	7
Industrial Engineering Technologists and Technicians Employers	Unique Job Ads
Cushman & Wakefield	21
FedEx	21
Flag Solutions	16
Burrtec	16
CalPortland	13
Harbor Freight Tools	11
Electrical and Electronics Repairers, Commercial and Industrial Equipment Employers	Unique Job Ads
N/A	

Source: Lightcast 2023.3

Summary of Findings & Recommendation

The knowledge, skills, and abilities trained by three industrial maintenance and automation-related community college programs leads to three middle-skill occupations. These three occupations are projected to have 434 annual job openings, increasing employment by 13% over the next five years. The median hourly earnings for these occupations are between \$29.05 and \$29.86, above the regional living wage standard of \$21.82 per hour.

Four regional community colleges offer three TOP program codes related to industrial maintenance and automation program training: electro-mechanical technology (0935.00), industrial systems technology and maintenance (0945.00), and manufacturing and industrial technology (0956.00). Over the last three academic years (2019-2022), these programs issued an annual average of 34 awards: 11 associate degrees and 23 certificates of achievement. Other regional postsecondary education institutions have not issued any known awards in related programs over the previous three academic years.

The Centers of Excellence recommends expanding industrial maintenance and automation programs to meet the regional demand for more workers in this field. Colleges considering this program should partner with relevant employers and confirm their demand for workers and the skills students need to secure work and self-sustainable earnings in this field shortly after exiting the program.

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Item 6. Place of Program in Curriculum/Similar Programs

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

The Industrial Automation program should be shown in the Manufacturing, Electronics and Electrician programs.

Many of the courses that are in this program are also in the Supply Chain Automation, Digital Electronics, and the Electrician programs. We will also be creating a new robotics program that will have some of the courses that are in the Industrial Automation program.

Item 7. Similar Programs at Other Colleges in Service Area

*For additional information, please see the Program and Course Approval Handbook (PCAH), the RCCD Curriculum Handbook, the Taxonomy of Programs manual, and the TOPs/CIP/SOC crosswalk.
Revised November 2022*

Justification of need for certificate/degree in the region.

Justification of need for certificate/degree in the region.

Examining the graphic shown below from the Centers of excellence for labor market research.

Exhibit 10: Industrial maintenance and automation programs, Inland Empire/Desert Region, 2022-23 academic year

TOP Program (TOP Code)	College	Local Program Title	Award
Electro-Mechanical Technology (0935.00)	Chaffey	Mechatronics	A.S. Degree
		Mechatronics Level I	Certificate
		Mechatronics Level II	Certificate
		Electromechanical Technology	Certificate
Industrial System Technology and Maintenance (0945.00)	Barstow	Industrial Maintenance Electrical and Instrumentation	Associate Degree
		Industrial Maintenance Mechanic	Associate Degree/Certificate
		Industrial Maintenance Mechanic, Level 2	Certificate
		Industrial Maintenance Mechanic Technology, Level 3	Certificate
		Trade Technician	Noncredit
	San Bernardino Valley	Industrial Automation	Certificate
		Industrial Maintenance	Certificate
Manufacturing and Industrial Technology (0956.00)	Norco	Mechanical Hydraulics/Pneumatics	Certificate
		Industrial Automation	Associate Degree/Certificate
		Industrial Automation Non-Credit	Noncredit
		Supply Chain Automation	Associate Degree/Certificate
		Supply Chain Technology	Associate Degree/Certificate
	San Bernardino Valley	Manufacturing Tech-Automated Systems	Associate Degree/Certificate
		Computer Numerical Control - CAD & CAM	Associate Degree/Certificate

Source: COCI, 2022-23 Community College Catalogs

Exhibits 11 – 13 display student completions for electro-mechanical technology (TOP 0935.00), industrial systems technology and maintenance (0945.00), and manufacturing and industrial technology (0956.00) programs related to industrial maintenance and automation programs over the last three academic years, 2019-2022. Over the last three academic years, these programs issued an annual average of 34 awards; 11 awards were associate degrees, and 23 were certificates of achievement. Program completion and student outcome methodologies can be found in the appendix.

Item 8. Transfer Preparation Information (if applicable)

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

None, this certificate does not transfer to any other colleges/universities currently.